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EXECUTIVE DOCUMENTS

OF THE

STATE OF MINNESOTA,

FOR THE YEAR 1878.

VOLUME III.

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MINNEAPOLIS:
JOHNSON, SMITH & HARRISON.
1879.

EXHIBIT TO REPORT

—

STATE OF MINNESOTA

IN SENATE

January 1, 1891

REPORT OF

THE COMMISSIONER

328,7764
M66
1878³

REMOTE STORAGE

INDEX.

STATISTICS OF MINNESOTA—

PAGE.

See Index..... 355

INSURANCE COMMISSIONER—

Report Fire and Marine.....	3
Companies Admitted.....	6
Companies Withdrawn.....	7
Authorized Companies.....	7
Foreign Companies.....	8
Comparative Result.....	9
Companies whose Expenditures Exceeded their Receipts.....	10
Capital.....	11
Assets.....	11
Liabilities.....	11
Income.....	11
Expenditure.....	12
Statistical Tables.....	13
Table A, Showing the Names and Location of all Insurance Companies Authorized to do Business in Minnesota.....	14
Table B, Comprising Assets.....	17
Table C, Liabilities.....	20
Table D, Income.....	22
Table E, Expenditures.....	26
Table F, Risks Written and Premiums Received.....	29
Table G, Premiums Rectived and Total Losses Paid	32

Business in Minnesota—

Companies of this State... ..	35
Comparison.....	36
The Mill Explosion.....	37
Table showing Losses by the Mill Explosion at Minneapolis.....	38

INSURANCE COMMISSIONER—	PAGE.
Business for Seven Years.....	39
Table respecting Risks written, Premiums Received, Losses Paid Losses Incurred.....	41
Township Mutuals.....	44
Mutual Companies.....	45
Legislation.....	46
The Wisconsin Law.....	47
Tax on Premiums.....	48
Foreign Companies.....	49
 <i>Abstracts from Statements—</i>	
Aetna Insurance Company.....	3
Amazon Insurance Company.....	5
American Central Insurance Company.....	6
American Insurance Company.....	8
American Fire Insurance Company.....	9
Atlantic Insurance Company.....	11
Atlantic Fire and Marine Insurance Company.....	13
Boylston Mutual Insurance Company.....	14
Buffalo Insurance Company.....	16
Buffalo German Insurance Company.....	17
Commercial Fire Insurance Company.....	19
Commonwealth Insurance Company.....	20
Connecticut Fire Insurance Company.....	22
Continental Insurance Company.....	23
Detroit Fire and Marine Insurance Company.....	25
Equitable Fire and Marine Insurance Company.....	26
Fairfield Insurance Company.....	28
Faneuil Hall Insurance Company.....	29
Farragut Fire Insurance Company.....	31
Fire Association.....	32
Fireman's Fund Insurance Company.....	34
Franklin Fire Insurance Company.....	36
German American Insurance Company.....	37
German American Insurance Company.....	39
Germania Insurance Company.....	40
Gerard Fire and Marine Insurance Company.....	42
Glenn Falls Insurance Company.....	44
Hanover Insurance Company.....	45
Hartford Fire and Marine Insurance Company.....	47
Hoffman Fire Insurance Company.....	48

INSURANCE COMMISSIONER--

PAGE.

Home Insurance Company.....	50
Howard Insurance Company....	52
Insurance Company of North America	53
Lamar Insurance Company.....	55
Manhattan Insurance Company.....	57
Manufacturers Fire and Marine Insurance Company.....	58
Mercantile Mutual Insurance Company.....	60
Mercantile Insurance Company.....	61
Merchants Insurance Company, N. J.....	63
Merchants Insurance Company, R. I.....	65
Meriden Insurance Company... ..	66
Mechanics Mutual Insurance Company.....	68
Farmers Mutual Insurance Company.....	70
National Fire Insurance Company.....	71
Newark City Insurance Company.....	73
Newark Fire Insurance Company.....	74
New Hampshire Insurance Company.....	76
New York Bowery Insurance Company....	77
New York City Insurance Company.....	79
Niagara Fire Insurance Company.....	80
Northern Insurance Company.....	82
N. W. National Insurance Company.....	83
Orient Fire Insurance Company	85
Orient Mutual Insurance Company.....	87
Pacific Mutual Insurance Company.....	88
Philadelphia Insurance Company.....	90
Peoples Insurance Company.....	91
Phenix Insurance Company.....	93
Phoenix Insurance Company.....	95
Providence-Washington Insurance Company	96
Revere Insurance Company.....	98
Rochester German Insurance Company.....	99
Roger Williams Insurance Company.....	101
Security Insurance Company.....	102
Shawmut Insurance Company.....	104
Springfield Fire and Marine Insurance Company.....	105
Standard Insurance Company.....	107
Star Fire Insurance Company.....	109
St. Joseph Fire and Marine Insurance Company.....	110
St. Nicholas Insurance Company... ..	112
St. Paul Fire and Marine Insurance Company.....	113

INSURANCE COMMISSIONER—	PAGE.
Trade Insurance Company.....	117
Traders Insurance Company.....	119
Union Insurance Company.....	120
Watertown Fire Insurance Company.....	122
Westchester Insurance Company.....	123
Williamsburgh Fire Insurance Company.....	125
British America Assurance Company.....	126
Commercial Insurance Company.....	128
Hamburg-Bremen Insurance Company.....	129
Imperial Insurance Company.....	131
La Caisse Insurance Company.....	132
Lancashire Insurance Company.....	133
Liverpool and London and Globe.....	135
London Assurance Corporation.....	136
Northern Assurance Company.....	138
North British and Mercantile Insurance Company.....	139
North German Insurance Company.....	140
Queen Insurance Company.....	142
Royal Insurance Company.....	143
Royal Canadian Insurance Company.....	145
Scottish Commercial Insurance Company.....	146
Western Assurance Company.....	147
<i>Life Insurance—</i>	
Report.....	151
Changes.....	152
Charter Oak.....	152
The Universal.....	153
The Globe.....	153
Life Association of America.....	153
Comparative Results.....	154
Additional Facts.....	154
<i>Statistical Tables—</i>	
Table A, Companies Authorized to do Business in Minnesota.....	158
Table B, Assets.....	160
Table C, Liabilities.....	162
Table D, Income.....	164
Table E, Expenditures.....	166
Table F, Number and Amount of Policies with net Increase and net Decrease.....	168

INSURANCE COMMISSIONER—

PAGE.

Table G, Policies Issued and Terminated and mode of Termination.....	170
Business in Minnesota.....	172
Table H, Number and Amount of Policies Issued, Premiums Received, Losses Paid, Losses Incurred.....	174
Receipts.....	176

Abstracts from Statements—

Ætna Life Insurance Company.....	181
Connecticut Mutual Life Insurance Company.....	184
Continental Life Insurance Company.....	187
Equitable Life Assurance Company.....	190
Germania Life Insurance Company.....	192
Home Life Insurance Company.....	195
Massachusetts Mutual Life Insurance Company.....	198
Mutual Benefit Life Insurance Company.....	201
Mutual Life Insurance Company.....	204
National Life Insurance Company.....	206
National Life Insurance Company of U. S. of A.....	209
New England Mutual Life Insurance Company..	212
New York Life Insurance Company....	215
N. W. Mutual Life Insurance Company.....	218
Pacific Mutual Life Insurance Company.....	221
Phoenix Mutual Life Insurance Company.....	224
State Mutual Life Insurance Company.....	227
Travelers Life and Accident Insurance Company.....	229
United States Life Insurance Company.....	232
Union Mutual Life Insurance Company.....	235
Washington Life Insurance Company.....	238

1. The first part of the paper is devoted to a general
2. introduction of the subject. It is shown that the
3. theory of the subject is of great importance in
4. the study of the subject. It is shown that the
5. theory of the subject is of great importance in
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7. The second part of the paper is devoted to a
8. detailed study of the subject. It is shown that
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STATISTICS
OF
MINNESOTA
FOR 1878,

BEING THE

TENTH ANNUAL REPORT OF THE COMMISSIONER
OF STATISTICS.

MINNEAPOLIS:
JOHNSON, SMITH & HARRISON.
1879.

(Vol. 3.)

REPORT.

OFFICE OF SECRETARY OF STATE, }
BUREAU OF STATISTICS, }
December 31st, 1878. }

To His Excellency John S. Pillsbury,
Governor of Minnesota:

SIR:—I have the honor to transmit herewith, in accordance with the provisions of law, my report as Commissioner of Statistics for the year 1878.

Very respectfully,

Your obedient servant,

JNO. P. JACOBSON,
Assistant Secretary of State,
And Commissioner of Statistics.

INTRODUCTORY REMARKS.

In collecting and compiling the accompanying statistics of Minnesota, the object of the Commissioner has been to present, in the most concise and easily understood form, all important facts concerning the products, resources and capabilities of the State, as far as they could be arrived at, especial care being observed to guard against exaggeration. He has kept it constantly in view that the chief utility of statistical records consists, not so much in showing the present flourishing condition of the commonwealth, as to serve for data for future reference and upon which to base comparisons hereafter, in order to correctly determine whether any and what progress has been made in the development of her material resources, increase of population and wealth, and in general advancement, and what has been the rate of such progress, and the causes which effected it, either favorably or unfavorably.

As agriculture is the principal resource of Minnesota, statistical information respecting its development has naturally received much the largest share of attention from this bureau, and through the intelligent efforts on the part of the former statisticians, a system has been established for the collection thereof, which enables us to note with a high degree of accuracy, the annual progress of development in this particular branch of productive industry; and it is doubtful if these could be improved under the existing circumstances of the rapid growth of the State, for out of nine hundred and sixty-four townships in the sixty-five counties whose auditors have forwarded reports to this office, only twenty-two instances are reported of failures on the part of township assessors to collect and forward the information as required by law.

Although these statements may not all be absolutely correct, they approximate accuracy very closely; and, as each year's returns from the counties come through the same channels, they are likely to be equally accurate relatively to each other during a series of years.

Hence, deductions drawn from their comparisons with each other from year to year, give the progress of advancement made by the State as nearly as it is possible to attain to it.

Unfortunately, the same cannot be said of the Statistics concerning other departments of industry, notwithstanding continuous efforts have been made on the part of this bureau looking to that end. It is obvious that the information in relation to commerce and manufacturers especially in many particulars, is incomplete. The commissioner has applied to every available source from which it was likely the desired information could be obtained. Blanks requiring the addition of only a few figures, or brief words, were placed in the hands of those who, it was believed, would attend to their preparation with very little inconvenience. In many instances satisfactory responses have been elicited; others replied, but failed to give the information asked for as fully as was hoped, while from too many, no responses came at all.

It is no part of the duty of the county or town officers of the State, to gather this information, or respond to requests from this bureau, except to supply agricultural and vital statistics. Where they have done so, they are entitled to thanks for their kindness and courtesy. Even in the instances where apparently no attention has been paid to these inquiries, the officers are not probably at fault. Some of them may have had nothing to impart, and therefore deemed it unnecessary to report, while others finding it almost impossible to obtain full and accurate statements, thought it hardly worth while to return the blanks partially filled. There appears to be extreme reluctance on the part of a great many citizens to give information touching their business. Some seem to associate all inquiries of his character with the duties of the town assessors, and to apprehend that their replies will, in some manner, tend to swell the total of their tax bills,

There is, however, as an examination of the report will reveal, no sufficient reason for serious complaint. Auditors of fifty counties, and clerks of three hundred and thirty-five towns, have kindly responded to the commissioner's applications, and apparently been anxious to enable him to give a complete statement, so far as it lay in their power, to contribute to that end. The information they have furnished, notwithstanding its incompleteness, will afford a basis for, and facilitate the collection hereafter of valuable statistics concerning the varied industries of the state, other than that of agriculture. It believed, also, that when the purposes for which the statistics are compiled, is more generally understood, the difficulty which has hitherto been experienced in collecting them will be

materially lessened, if not altogether obviated. Certainly every city, county, township and village in the state is interested in having itself fairly represented in a statistical compilation which is designed to show the actual material condition and growth of the entire state. When it is understood that this can only be done by giving the information to such parties as are willing to transmit it to this bureau, it can hardly be believed, that there will be a further manifestation of unwillingness on the part of any considerable number to impart such information fully and freely.

In order to obtain statistics of the commerce and manufactures of the cities of the state, the commissioner applied to the proper authorities of all cities having one thousand inhabitants and upward except in those where boards of trade were known to exist, in which cases the officers of such organizations were enquired of. All such applications were not successful; but so far as they have been received, the replies are embodied in this report. The United States Indian agents and land and custom house officers, also, the officers of several railway companies, and the managers of a few manufacturing establishments, have kindly placed at the disposal of the commissioner a great deal of valuable information which will be found under the proper heading. The same may also be said of several interesting communications on Forestry, the manufacture of amber cane sugar and syrup, stock raising etc.

By voluntary contributions from all these sources, the Commissioner is enabled to present a very fair showing of the general industries of the State; although not sufficiently complete to be entirely satisfactory. The vital statistics have been carefully revised by Dr. C. N. Hewitt, of Red Wing, Secretary of the State Board of Health, and they are so arranged as to set forth clearly everything of interest touching this important department of statistical information. The religious and social statistics, as far as it was possible to obtain them, together with all other information consistent with a report of this character, will be found in their appropriate places.

The effort of the Commissioner has been to make the report convey a description not only of the State at large, but of every county therein, to give the area, resources and degree of development of each, their number of inhabitants, their nationality, religious sentiments, educational and postal facilities, and proximity to railways, the unoccupied lands within the limits of each, to whom they belong; their price, &c., also the general character of their surface so far as to mention the principal lakes and streams; also their healthfulness as shown by the vital statistics herein. Although the

information at his command has been incomplete, and much of it received too late to admit the classification that was desirable, he believes that the result is as fully an accomplishment of his purpose as it was reasonable to expect in a new and rapidly growing State of such immense extent and varied interests.

AGRICULTURE.

The following agricultural statistics have been arranged with a view to give greatest prominence to the most important, and at the same time to have every department convenient for reference. For this purpose, statements comprehending an analytical showing of the entire products of the State for 1877, with facilities of comparisons with former years and other general information likely to be contained in reports of this description, are placed first under the general heading, "Crops of 1877." Following these, are more extended tables, giving in detail the necessary information touching each variety of cultivated products. These are prepared, by such remarks as appeared to be necessary, to call attention to whatever features of especial interest they respectively present, care being used to place all that is said concerning each topic, under its appropriate heading.

CROPS OF 1877.

The crop statistics of 1877, show cause for congratulation, notwithstanding a large proportion of the cultivated area of the State was subjected to devastating visitations of locusts. This calamity is seen to have reduced the yield of wheat in twenty-two counties, from a reasonable prospective estimate of, from twenty to twenty-five bushels per acre to less than twelve bushels, and in one county, viz: Kandiyohi, to one and twelve hundredths bushels, oats, rye, potatoes; and indeed everything that the farmer cultivated shared in this destruction, and the result is a greatly reduced general average of all these products.

But for the lively apprehensions of this visitation, which were generally entertained early in the season, (it being well-known that in twenty-nine of the cultivated counties of the State, the ground was literally peppered with grasshopper's eggs,) a largely increased area of land would, no doubt have been put in crop, and therefore,

the full extent of the injury resulting from this cause, can hardly be approximately determined. One of the general tables which follow shows the aggregate of estimated losses reported by the assessors. These it will be seen, involve about all kinds of crops, and the value as they stood in the field as nearly as can be arrived at, exceeds \$3,564,000.

Notwithstanding the loss above referred to, the grain crops of Minnesota of 1877, were the greatest ever yet produced in the State. They largely exceed those of the preceding year, though grown upon an area of land increased by only 789 acres! An examination of the table under the caption, "Total Yield of Crops," &c., reveals that these excessive products of grain were as follows, viz.: wheat, 13,614,669 bushels; oats, 3,253,452 bushels; corn, 1,528,238 bushels; barley, 631,187 bushels; rye, 56,919 bushels, and buckwheat, 12,601 bushels. The money value of these is estimated at \$10,882,000, or more than three times as much as the estimated loss consequent upon the grasshopper ravages.

Besides the excessive quantities per acre of these commodities, there was a still further gain in their improved qualities. Wheat, for instance, is reported to this office as measured at the threshing machine, and for the reason that the yield of 1877, weighed on an average of sixty-three pounds to the measured bushel, the true gain is found in its quantity, estimated at sixty-three pounds to the bushel. To estimate it thus, the total yield is found to be 32,280,637 bushels, instead of 30,693,969, or an increase of 14,264,517 bushels over the yield of 1876, although grown upon 40,000 acres less of land.

All other varieties of grain participated in the improvement of quality and weight as well as increase of quantity per acre, and the result, no doubt, holds good as to agricultural products generally.

Another interesting fact is revealed in the table headed, "Average Bushels Per Acre of Grain Crops for the Last Twelve Years." It will be seen that so far as wheat, oats, corn and barley are concerned, the averages are well maintained throughout the entire interval, notwithstanding the too prevalent practice of cultivating the same land in one kind of crops for a number of years successively. For instance, during the first six years of this interval, the annual average product per acre, was as follows: Wheat, 15.34 bushels; oats, 32.57 bushels; corn, 31.80 bushels; barley, (calculated for five years only,) 26.13. During the last six years the yearly averages were: Wheat, 15.33 bushels; oats, 31.48 bushels; corn, 27.62 bushels; barley, 24.26 bushels. In this connection it is important to

bear in mind that the grasshopper ravages seriously affected all these averages during the latter interval.

The tables giving the percentage of cultivated area devoted to each variety of crop shows the fluctuations in this respect are hardly noticeable.

TOTALS OF ACREAGE AND CROPS OF 1877.

	Total. Acreage.	Total yield.	Average yield per acre.
Wheat.....	1,829,167	30,693,969	16.78
Oats.....	419,903	13,819,630	32.19
Corn.....	388,708	9,151,281	23.47
Barley.....	79,334	2,239,650	26.37
Rye.....	9,202	132,041	14.38
Buckwheat.....	6,665	79,448	11.67
Potatoes.....	40,775	2,426,002	62.00
Beans.....	3,075	14,471	4.70
Flax Seed.....	5,547	40,838	.....
Timothy Seed.....	.....	42,559	.....
Clover Seed.....	.....	8,807	.....
Sugar Cane, gallons.....	2,200	140,153	63.70

OTHER AGRICULTURAL PRODUCTIONS OF 1877.

Cultivated Hay, tons.....	131,647
Wild Hay, tons.....	974,224
Hops, lbs.....	29,807
Maple Syrup, gals.....	16,588
Maple Sugar, lbs.....	52,723
Apples, bushels.....	45,736
Grapes, lbs.....	101,973
Strawberries, quarts.....	203,024
Tobacco, lbs.....	38,839
Wool, lbs.....	705,116
Butter, lbs.....	13,443,195
Cheese, lbs.	829,075
Honey, lbs.....	213,768

GRASSHOPPER DAMAGES TO CULTIVATED CROPS IN 1877. AND ESTIMATED LOSS AS RETURNED BY ASSESSORS.

	Acres.	Bushel.
Wheat.....	302,895	4,957,538
Oats.....	67,640	1,757,370
Corn.....	66,091	1,665,993
Barley.....	7,054	146,985
Rye.....	1,577	34,252
Buckweat.....	875	15,652
Potatoes.....	4,429	350,831
Beans.....	104	2,166
Sugar Cane.....	793	25,451
Cultivated Hay.....	2,159	3,417
Hops.....	1,396	25,853

TOTAL YIELD OF ALL CROPS FOR THE LAST FIVE YEARS.

Crops.	1873.	1874.	1875.	1876.	1877.
Wheat, bushels.....	26,402,485	23,938,172	30,079,300	17,964,632	30,693,969
Oats, bushels.....	12,544,536	10,967,072	13,801,761	10,566,178	13,819,630
Corn, bushels.....	6,457,368	7,340,342	7,195,581	7,623,043	9,151,281
Barley, bushels.....	669,415	614,545	1,230,420	1,608,463	2,239,650
Rye, bushels.....	58,100	58,100	71,367	75,122	132,041
Buckwheat, bushels.....	29,445	27,623	42,425	66,847	79,448
Total.....	46,200,126	42,945,854	52,420,854	37,904,285	56,116,019
Beans, bushels.....	14,246	15,797	23,090	13,696	14,471
Potatoes, bushels.....	2,196,138	2,283,107	3,782,637	2,477,384	2,426,002
Cultivated Hay, tons.....	144,712	138,865	122,813	135,860	131,647
Wild Hay, tons.....	783,619	1,006,212	878,782	935,961	974,224
Hops, pounds.....	57,291	53,655	63,037	33,639	29,807
Cane Syrup, gallons.....	53,226	69,599	70,479	102,489	140,153
Flax, bushels seed.....	100,853	109,043	125,932	44,243	40,838
Clover, bushels seed.....	1,546	5,651	4,861	5,041	8,807
Timothy, bushels seed.....	40,022	46,263	31,576	83,379	42,559
Tobacco pounds.....	28,324	22,557	41,679	39,732	38,839
Strawberries, quarts.....	255,765	177,185	224,488	160,589	203,024
Apples, trees in bearing.....	84,434	114,474	149,039	153,138	156,189
Apples, bushels produced.....	20,307	36,082	52,555	111,538	45,736
Maple Sugar, pounds.....	139,952	145,285	.....	.....	52,723
Maple Syrup, gallons.....	17,541	17,246	.....	.....	16,588
Bees, number of hives.....	10,376	7,343	7,134	7,740	10,835
Honey, number of pounds.....	134,266	99,296	108,673	101,858	213,768
Wool, pounds.....	529,856	549,918	578,948	6,0894	705,116
Butter, pounds.....	10,140,316	10,916,942	12,029,372	12,348,971	13,443,195
Cheese, pounds.....	1,031,510	1,090,238	1,009,999	1,062,348	829,075

AVERAGE BUSHELS PER ACRE OF GRAIN CROPS FOR
THE LAST TWELVE YEARS.

Crops.	1866.	1867.	1868.	1869.	1870.	1871.	1872.	1873.	1874.	1875.	1876.	1877.
Wheat.....	14.46	14.64	17.91	17.70	15.07	12.28	17.40	17.04	14.23	17.05	9.61	16.78
Oats.....	23.32	34.54	36.90	37.53	31.19	31.92	33.65	34.04	28.61	34.38	23.04	32.19
Corn.....	23.32	31.93	37.83	30.73	31.66	35.35	32.99	30.87	28.64	24.81	25.84	23.47
Barley.....	26.70	28.50	26.85	23.42	25.20	26.33	18.85	21.17	30.15	22.70	26.37	
Rye.....	19.02	16.32	18.58	16.24	16.07	13.87	12.15	16.49	14.21	14.38		
Buckwheat.....	16.40	16.88	16.59	15.05	13.70	10.92	9.65	12.70	7.23	11.67		
Beans.....	13.00	15.12	13.52	13.05	12.92	12.56	7.83	9.06	7.48	4.70		
Potatoes.....	113.62	101.32	105.90	71.44	71.94	100.49	117.89	83.31	80.90	120.76	75.75	62.00

COMPARATIVE TABLES.

ACREAGE OF THE PRINCIPAL CULTIVATED CROPS FOR THE LAST FIVE
YEARS.

	1873.	1874.	1875.	1876.	1877.
Wheat.....	1,548,713	1,681,830	1,764,109	1,869,172	1,829,167
Oats.....	368,493	383,233	401,381	458,590	419,903
Corn.....	209,450	256,296	297,316	295,089	338,708
Barley.....	35,501	29,028	40,803	70,838	79,334
Rye.....	6,982	4,787	4,345	5,285	9,202
Buckwheat.....	2,685	2,861	3,338 $\frac{1}{4}$	9,240	6,665
Potatoes.....	26,360	28,219	31,487 $\frac{1}{4}$	32,708	40,755
Beans.....	1,134	2,154	2,548	1,832	3,075
Hops.....	194	131	173 $\frac{1}{4}$	189	84
Sugar Cane.....	747	1,146	1,534 $\frac{1}{4}$	1,695	2,200
Cultivated Hay.....	104,525	104,107	97,952	121,463	112,056
Flax.....	12,114	19,715	16,643 $\frac{3}{4}$	8,191	5,547
Miscellan's products	20,884	25,000	27,766 $\frac{1}{4}$	13,558	17,958
Total Acres.....	2,337,782	2,538,507	2,612,365	2,837,845	2,914,654
Increase from pre- ceding year....	265,279	200,725	73,858	275,480	26,809

COMPARATIVE PERCENTAGE TABLE OF EACH PARTICULAR CROP TO TOTAL CULTIVATED AREA, FOR FIVE YEARS.

	1873.	1874.	1875.	1876.	1877.
Wheat.....	66.24	66.25	65.59	64.72	63.29
Oats.....	15.76	15.10	15.36	15.92	13.54
Corn.....	8.95	10.10	11.38	10.21	13.45
Barley.....	1.52	1.14	1.56	2.45	2.95
Rye.....	0.30	0.19	0.16	0.18	31
Buckwheat.....	0.11	0.11	0.12	0.32	23
Total per cent. in grain crops.....	92.88	92.89	93.16	93.80	93.77
Beans.....	0.05	0.08	0.09	0.06	12
Potatoes.....	1.13	1.11	1.20	1.14	1.35
Hops.....			0.006		
Sugar Cane.....	0.03	0.04	0.05	0.06	0.07
Cultivated Hay.....	4.47	4.10	3.74	4.20	3.87
Flax.....	0.52	0.77	0.63	0.28	20
Miscellaneous Products.....	0.89	0.99	1.06	0.46	62
Total.....	99.97	99.98	99.94	100.00	100.00

THE WHEAT CROP.

In the foregoing general remarks about the crops of 1877, it seemed appropriate to call attention to whatever important facts; respecting the wheat crop are disclosed in the preceding tables, and as their repetition is unnecessary, it only remains to allude, in this place, to information exhibited in the tables which follow.

It has already been shown that the area of land cultivated in wheat in 1877, was less, by 40,627 acres, than in 1876, and it may be of interest to point out the localities in which such diminution occurred. On comparing the acreage of the several counties with that reported for the previous year, we find important reductions as follows, viz.: in Blue Earth county 25,877 acres, Brown 20,917 acres, Nicollet, 29,916 acres, Renville, 14,068 acres, Sibley, 15,173 acres, and in Mower, 10,537 acres. In Chippewa, Dakota, Faribault, Houston, Jackson, Nobles, Redwood, Waseca and Watonwan counties there is a decrease of from about two thousand to five thousand acres, and less significant diminutions are shown to have occurred in Cottonwood, Kandiyohi, Lac qui Parle, Olmsted, Pope, Sherburne, Todd, Wabasha and Yellow Medicine counties.

On the other hand, there was an increased area cultivated as follows, viz.: in Goodhue of 16,326 acres, Rice 12,288 acres, Dodge

8,079 acres, Fillmore 5,024 acres, and in twenty other counties respectively from 1,000 to 5,000 acres, with smaller additional areas in all the other counties not mentioned here.

Tables are also given in which the counties are classified as to the quantity of wheat grown in each, from which it appears that eleven produced over 1,000,000 bushels each, Goodhue taking the lead with 3,756,811, and both Fillmore and Olmsted exceeding 2,000,000 each. Eight counties respectively yield aggregates of upwards of 500,000 and less than 1,000,000 bushels, and seventeen counties over 100,000 and less than 500,000 bushels; leaving only thirty-two counties in the state with aggregates of 100,000 bushels or less. In fourteen counties the average yield per acre is from 20 to 25.19 bushels per acre, and in 26 less than 15 bushels. The low average and reduced acreage in Houston county, are attributed to chintz-bug ravages.

WHEAT CROP OF 1877.

Acres sown.	1,829,167
Bushels produced... ..	30,693,969
Average yield per acre.....	16.79
The damage by locusts was, acres.....	302,895
The destruction by locusts was, bushels.....	4,957,538

THE AGGREGATE AND AVERAGE YIELD OF WHEAT DURING THE LAST TEN YEARS.

Years.	Acres Sown.	Bushels wheat produced.	Average per acre.
1868.....	858,316	15,382,022	17.91
1869.....	937,029	16,587,621	17.70
1870.....	1,019,744	15,372,941	15.07
1871.....	1,096,578	13,467,300	12.28
1872.....	1,267,309	22,059,375	17.40
1873.....	1,548,713	26,402,485	17.04
1874.....	1,681,830	23,938,172	16.03
1875.....	1,764,109	30,079,300	17.05
1876.....	1,869,172	17,964,632	9.61
1877.....	1,829,167	30,693,969	16.79

THE GREATEST WHEAT PRODUCING COUNTIES IN 1877.

The following produced over one million bushels, to wit:

Counties.	Acres.	Bushels.	Average yield per acre
Dakota	98,447	1,721,377	17.48
Dodge	65,128	1,376,654	21.45
Fillmore.....	149,613	2,664,411	17.81
Freeborn.....	65,695	1,462,671	22.29
Goodhue	174,003	3,756,811	21.58
Mower.....	75,073	1,476,073	19.66
Olmsted.....	117,053	2,355,372	20.12
Rice	54,514	1,256,541	23.05
Steele.....	56,529	1,344,738	23.78
Wabasha.....	87,579	1,632,163	18.63
Winona.....	86,380	1,519,509	17.59
Total.....	1,030,014	20,256,320	19.95

TABLE OF COUNTIES HAVING LESS THAN ONE MIL- LION AND OVER 500,000 BUSHELS.

	Acres.	Bushels.	Bushels per Acre.
Blue Earth	45,136	727,855	16.35
Carver.....	25,547	630,157	24.60
Faribault.....	32,716	506,368	15.47
Hennepin.....	33,104	677,746	20.50
Houston.....	54,490	717,565	13.17
Scott.....	28,286	617,978	21.85
Washington.....	37,882	720,234	19.01
Waseca.....	45,551	913,044	20.60

**COUNTIES HAVING LESS THAN 500,000 AND OVER
100,000 BUSHELS.**

	Acres.	Bushels.	Bushels per Acre.
Brown.....	14,138	122,608	8.67
LeSueur.....	22,625	482,202	21.57
Lyon.....	8,030	132,079	16.40
McLeod.....	23,494	196,827	8.30
Meeker.....	35,686	241,895	6.77
Morrison.....	5,143	101,838	19.80
Nobles.....	7,063	104,121	14.74
Otter Tail.....	33,707	358,796	10.64
Polk.....	4,078	102,745	25.19
Ramsey.....	5,420	104,331	19.24
Redwood.....	7,624	112,870	14.80
Renville.....	19,572	133,030	6.79
Rock.....	16,419	259,597	15.81
Stearns.....	48,729	143,819	2.95
Sibley.....	12,589	205,262	.....
Wright.....	19,933	299,926	15.04
Yellow Medicine.....	12,453	108,959	8.70

**COUNTIES PRODUCING OVER 500,000 BUSHELS WHEAT
WITH OVER TWENTY BUSHELS PER
ACRE'S YIELD IN 1877.**

Counties.	Bushels.	Aver'ge yield per acre.
Carver.....	630,157	24.60
Dodge.....	1,376,654	21.45
Freeborn.....	1,462,671	22.29
Goodhue.....	3,756,811	21.58
Hennepin.....	677,746	20.50
Le Sueur.....	482,202	21.57
Olmsted.....	2,355,372	20.12
Rice.....	1,256,541	23.05
Scott.....	617,978	21.85
Steele.....	1,344,738	23.78
Waseca.....	913,044	20.60

Polk county shows the largest yield per acre, it being 25.19 bushels; total bushels produced was 102,745.

OATS IN 1877.

The oats crop of 1877 is as follows:

Acres sown in 1877.....	419,903
Bushels produced.....	13,819,630
The average yield per acre was, bushels.....	32.19
The acres damaged by locusts were.....	67,640
The number of bushels destroyed was.....	1,757,370

The counties producing the largest crop of oats were:

	Acres sown.	Bushels produced.	Bushels per acre.
Goodhue.....	29,468	1,312,136	44.52
Fillmore.....	32,633	1,126,880	34.53

Other prominent counties, producing over 500,000 bushels were:

Counties.	Acres.	Bushels.	Bushels per acre.
Dodge.....	13,762	561,447	40.79
Freeborn.....	15,167	592,608	39.07
Mower.....	16,520	571,165	35.48
Olmsted.....	22,110	885,176	40.03
Wabasha.....	18,396	749,678	40.75
Winona.....	16,420	603,137	36.12
	102,375	3,963,211	38.71

The returns show a decrease in acreage from the preceding year of 38,687 acres, but the tables give the satisfactory result of an increase in bushels produced of 3,253,452, notwithstanding the fact that 1,757,370 bushels were destroyed by grasshopper ravages.

It exceeds the crop of 1875—the largest oats crop previously raised, by 18,869 bushels, and shows the magnificent average yield per acre of 32.19 bushels. The county of Polk reports an average yield per acre of 50.28 bushels.

COUNTIES SHOWING

the largest average yield per acre are:

Carver,	Cottonwood,	Dakota,
Dodge,	Freeborn,	Goodhue,
Houston,	Nobles,	Olmsted,
Polk,	Scott,	Steele,
Wadena,	Waseca.	

The following table gives the yield and acreage for the last ten years:

Years.	Acres.	Bushels.	Average.
1868.....	212,064	7,831,523	36.90
1869.....	260,715	9,785,959	37.53
1870.....	317,211	9,895,164	31.19
1871.....	334,798	10,689,484	31.92
1872.....	372,478	12,550,733	33.69
1873.....	368,493	12,544,536	34.04
1874.....	383,233	10,967,072	28.61
1875.....	401,381	13,801,761	34.38
1876.....	458,590	10,566,178	23.04
1877.....	419,903	13,819,630	32.19

CORN IN 1877.

The corn crop of 1877 is as follows:

The number of acres planted was.....	388,708
The number of bushels gathered was.....	9,123,263
The average yield per acre was, bushels.....	23.47
The damage by locusts was, acres.....	66,091
The destruction by locusts was, bushels.....	1,665,993

THE PRINCIPAL CORN-PRODUCING COUNTIES FOR 1877.

Counties.	Acres.	Bushels.
Blue Earth	21,703	405,171
Dakota	16,944	347,571
Faribault	18,714	497,314
Fillmore	21,979	735,381
Freeborn	12,371	602,596
Goodhue	15,394	529,332
Hennepin	16,947	339,726
Houston	18,424	557,449
Le Sueur	13,571	386,457
Olmsted	11,658	407,022
Wabasha	12,636	387,008
Wmونا	11,977	384,170

The table following exhibits the area and yield of corn for a series of eleven years, as follows:

Years.	Acres.	Bushels.	Average.
1867	162,722	5,620,895	34.54
1868	129,909	4,849,936	37.33
1869	136,482	4,194,965	30.73
1870	178,429	5,650,370	31.66
1871	200,124	7,076,268	35.35
1872	216,455	7,142,245	32.99
1873	209,450	6,457,368	30.87
1874	256,296	7,340,342	28.64
1875	297,316	7,195,581	24.81
1876	295,089	7,623,043	25.84
1877	388,708	9,151,281	23.49

There was an increase in acreage of 93,619 acres over the preceding year and an increase in bushels produced of 1,538,238. The increased acreage seems to be general over the state though proportionately greater in the western counties.

COUNTIES SHOWING THE LARGEST YIELD PER
ACRE ARE

Carver.	Carlton,	Dodge,
Faribault,	Fillmore,	Freeborn,
Goodhue,	Houston,	Mower,
Olmsted,	Ramsey,	Steele,
Waseca,	Wadena,	Winona.

BARLEY IN 1877.

The number of acres sown was.....	79,334
The number of bushels harvested was.....	2,239,650
The average yield per acre was, bushels.....	2,637
The locusts damaged and destroyed, acres.....	7,054
The locusts destroyed, bushels.....	146,985

COUNTIES PRODUCING OVER 100,000 BUSHELS.

Counties.	Acres.	Bushels.	Average bushels per acre.
Dodge.....	4,882	149,351	30.59
Fillmore.....	7,054	167,588	23.75
Goodhue.....	8,468	267,650	31.60
Mower.....	5,513	177,758	32.24
Olmsted.....	10,948	310,223	28.34
Wabasha.....	8,870	261,049	39.49
Winona.....	4,595	121,015	26.33

By the following table the crop, acreage and average yield may be compared with those of the last eleven preceding years:

Years.	Acres.	Bushels.	Average.
1867.....	11,862	316,715	26.70
1868.....	18,150	518,500	28.50
1869.....	31,695	851,113	26.85
1870.....	64,766	1,518,686	23.42
1871.....	64,558	1,627,007	25.20
1872.....	56,785	1,495,494	26.33
1873.....	35,501	669,415	18.85
1874.....	29,028	614,545	21.17
1875.....	40,803	1,230,420	30.15
1876.....	70,838	1,608,463	22.70
1877.....	79,334	2,239,650	26.37

Above tables show an increase in acreage over last year of 8,496 acres and increase in bushels produced of 631,187 bushels.

RYE IN 1877.

Acres sown in 1877.....	9,202
Bushels produced.....	132,041
The average yield per acre was, bushels.....	14.38
The acres damaged by locusts were.....	1,577
The amount of bushels destroyed was.....	34,252

THE PROMINENT COUNTIES

in the cultivation of this crop, are

	Acres.	Bushels.	Average.
Chisago.....	448	7,015	15.68
Hennepin.....	617	9,657	10.78
Isanti.....	524	8,131	15.51
Stearns.....	1,326	14,053	10.60
Todd ..	998	14,547	14.56

The acreage, bushels produced, and average per acre of the rye crop for the last eleven years, are as follows, viz.:

Years.	Acres.	Bushels.	Average.
1867.....	1,988	32,763	16.43
1868.....	2,713	52,100	19.02
1869.....	4,428	72,281	16.32
1870.....	3,949	73,375	18.58
1871.....	8,061	130,928	16.24
1872.....	11,365	182,730	16.07
1873.....	6,982	96,877	13.87
1874.....	4,787	58,100	12.15
1875.....	4,345	71,367	16.42
1876.....	5,285	75,122	14.21
1877.....	9,202	132,041	14.38

Increase over last year 3,917 acres and 56,919 bushels.

BUCKWHEAT IN 1877.

Acres sown in 1877.....	6,665
Bushels produced.....	79,448
The average yield per acre was, bushels.....	11.67
The acres damaged by locusts were.....	875
The amount of bushels destroyed was.....	15,652

THE PROMINENT COUNTIES.

Dodge,
Martin,

Fillmore,
Mower.

The table following gives the number of bushels raised each year for the last eleven years:

Years.	Acres.	Bushels.	Average.
1867.....	1,102	15,191	13.71
1868.....	1,538	25,292	16.40
1869.....	2,736	46,038	16.88
1870.....	3,818	63,369	16.59
1871.....	3,597	54,152	15.05
1872.....	3,601	49,359	13.70
1873.....	2,685	29,445	10.92
1874.....	2,861	27,623	9.65
1875.....	3,338	42,425	12.70
1876.....	9,240	66,847	7.23
1877.....	6,805	79,448	11.67

There was a decrease in acreage of 2,585 acres, but an increase in product of 12,601 bushels.

POTATOES IN 1877.

The acres planted in 1877 were.....	40,775
The bushels produced were.....	2,426,002
The average yield per acre was, bushels.....	62.00
The locusts destroyed, acres.....	4,429
The locusts destroyed, bushels.....	350,831

THE COUNTIES PRODUCING

over 50,000 bushels each were:

Counties.	Acres.	Bushels.
Carver.....	1,008	61,459
Dakota.....	1,300	104,747
Fillmore.....	1,080	106,328
Freeborn.....	720	58,152
Goodhue.....	1,120	108,568
Hennepin.....	2,022	172,308
Houston.....	685	71,385
Nicollet.....	899	62,006
Olmsted.....	820	95,778
Otter Tail.....	8,853	67,524
Rice.....	806	75,237
Scott.....	854	57,825
Sibley.....	915	54,074
Stearns.....	1,564	74,223
Steele.....	569	51,970
Wabasha.....	600	61,250
Washington.....	708	66,864
Winona.....	863	82,660
Wright.....	757	66,526

The returns show an increase in acreage of 8,072 acres and a decrease in bushels produced from preceding year of 31,382.

The subjoined table gives the acreage, production and average for a series of years:

Years.	Acres.	Bushels potatoes.	Average per acre.
1867.....	17,747	1,788,053	101.32
1868.....	24,475	2,592,636	105.90
1869.....	20,833	1,488,428	71.44
1870.....	19,085	1,372,975	71.94
1871.....	21,429	2,153,536	100.49
1872.....	26,061	3,072,349	117.89
1873.....	26,360	2,196,138	83.31
1874.....	23,219	2,283,107	80.90
1875.....	31,487	3,782,637	120.26
1876.....	32,703	2,477,384	75.75
1877.....	40,775	2,426,002	62.00

BEANS IN 1877.

Acres planted.....	3,075
Bushels produced.....	14,471
Average yield per acre, bushels.....	4.70
Acres destroyed by locusts.....	104
Bushels destroyed by locusts.....	2,166

The bean crop of the State for the last ten years is exhibited by the following table:

Years.	Acres.	Bushels.	Average.
1867.....	527	8,029	15.23
1868.....	1,027	13,371	13.00
1869.....	1,829	27,661	15.12
1870.....	1,845	24,950	13.52
1871.....	1,506	19,658	13.05
1872.....	1,482	19,156	12.92
1873.....	1,184	14,246	12.56
1874.....	2,154	15,795	7.33
1875.....	2,543	23,090	9.06
1876.....	1,832	13,696	7.48
1877.....	3,075	14,471	4.70

FRUIT IN 1877.

Apple trees growing.....	1,151,270
Apple trees bearing.....	156,189
Apples produced, bushels.....	45,745

The counties devoting the most attention to this crop are as follows, viz.:

	Bushels.
Blue Earth.....	1,947
Carver.....	2,841
Dakota.....	2,539
Fillmore.....	2,872
Goodhue.....	2,161
Hennepin.....	3,742
Houston.....	1,389
Le Sueur.....	4,929
Olmsted.....	1,743
Rice.....	1,154
Scott.....	1,311
Steele.....	1,016
Wabasha.....	1,487
Washington.....	2,223
Winona.....	2,054
Wright.....	2,454

GRAPES IN 1877.

Number of bearing vines.....	40,873
Pounds produced.....	101,973

STRAWBERRIES IN 1877.

Total products, quarts.....	203,024
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The following summary exhibits the fluctuations of the

FRUIT PRODUCT OF THE STATE

since 1869.

YEARS.	APPLES.	GRAPES.	STRAWBERRIES
	Bushels.	Pounds.	Quarts.
1869.....	9,410	.....	148,024
1870.....	10,755	.....	175,153
1871.....	34,927	.....	233,961
1872.....	39,663	.....	277,716
1873.....	20,307	61,381	255,765
1874.....	36,082	114,922	177,185
1875.....	55,555	122,227	224,488
1876.....	111,538	69,353	160,589
1877.....	45,745	101,973	203,024

TOBACCO IN 1877.

Pounds produced.....38,809

The product of this crop since 1868, has been as follows:

Years.	Pounds.	Years.	Pounds.
1868.....	5,998	1873.....	28,324
1869.....	11,289	1874.....	22,557
1870.....	20,573	1875.....	41,679
1871.....	37,050	1876.....	39,732
1872.....	42,788	1877.....	38,809

BEES AND HONEY IN 1877.

Number of hives..... 10,835
 Number of pounds honey.....213,768

COMPARATIVE TABLE.

Hives and Honey	1870.	1871.	1872.	1873.	1874.	1875.	1876	1877
Hives, number of	9,709	12,698	13,704	10,376	7,343	7,134	7,740	10,835
Honey, lbs. of..	138,418	229,679	232,948	134,276	99,296	108,673	101,858	213,768

SUGAR CANE.

The annexed tables show a very considerable increase in this branch of agricultural industry notwithstanding that it is as yet experimental. The extent of land devoted to the cultivation of the cane is reported to have been 2,200 acres, and the yield of syrup 140,153 gallons. This is an increase of 505 acres over the area reported to have been devoted to this product in 1876, and of 67,664 gallons of syrup more than was produced that season; results largely due no doubt to the better success recently achieved in the manufacture, arising from additional experience and the use of superior machinery; and it affords a reasonable basis for the supposition, which a good many persons entertain, that this is speedily destined to become one of the leading industries of the State.

The augmented cultivation seems to be pretty general throughout the State, but is especially noticeable in the reports from Blue Earth, Brown, Freeborn, Hennepin, Le Sueur, McLeod, Martin, Nicollet and Renville counties.

Following the statistics touching this subject will be found several interesting communications from parties who have given it considerable attention, and some of whom have had more or less practical experience in growing the cane and manufacturing the syrup and sugar. There is no doubt that the cultivation and manufacture of this product merits a large share of public attention, although but a titling of what is predicted, concerning its ultimate development, may be of possible realization. The average yield per acre of the entire State, as shown by the tables, is 63.7 gallons of syrup. This, if sold at the lowest prices mentioned, or if consumed in the State in lieu of an equal quantity of imported syrup, would appear to be as remunerative to the producers as our ordinary grain crops.

But it is clearly unfair to base an estimate on any such meagre average yield, for it is obvious from the statistics given that this is not nearly as much as might have been obtained. In many instances there was a lack of experience and proper machinery and facilities for manufacturing; and some farmers who raised the cane only sought to make enough syrup for home consumption, using the remainder of the crop as feed for hogs and cattle. Again, in some localities the crop suffered from the grasshopper ravages, to a very considerable extent.

In those counties where the purpose of the growers of the cane was to manufacture syrup or sugar, or both, and where good mills and machinery were available, the average yield of syrup is found

to be largely in excess of the general average given above. For instance, in Dodge, Lac qui Parle, Le Sueur, Lincoln, Rice and Scott counties, the average reaches one hundred and upwards gallons per acre. In Winona county 145 gallons per acre is reported. Carver, Faribault, Fillmore, Freeborn, Hennepin, Isanti, Meeker, Mower, Olmsted, Sibley, Steele, Waseca, Washington and Wright all exceed the general average, several of them reaching nearly 100 gallons per acre.

On the other hand, in Anoka, Chippewa, Cottonwood, Dakota, Douglas, Jackson, Lyon, Murray, Nicollet, Nobles, Polk, Pope, Sherburne, Stearns, Swift, Todd and Wilkins counties the average yield is less than forty gallons, running in one of these as low as three gallons, and in several less than twenty-five.

From the best informed parties, those who have devoted sufficient attention to the subject to entitle their opinions to respect, it is gathered that an average yield of from 100 to 150 gallons per acre may be relied upon, if proper attention is paid to cultivating and manufacturing.

Besides the value of the syrup and sugar produced, considerable profit has so far been derived from the sale of the seed, which are said to be useful as feed for nearly all kinds of stock, as well as for planting. The *bagasse*, or refuse stalks from which the juice has been pressed, it is likewise claimed, is a superior feed for stock. Thus the entire product seems to be available for some useful purpose.

SUGAR CANE IN 1877.

The number of acres planted was.....	2,200
The number of gallons syrup was	140,153
The locusts destroyed, acres.....	793
The locusts destroyed, gallons.....	25,457

The product and acreage of sugar cane from 1868 to 1877 is given herewith:

Years.	Acres.	Gallons Syrup.
1868.....		81,375
1869.....	629	31,191
1870.....	728	56,370
1871.....	1,244	73,425
1872.....	859	78,095
1873.....	747	53,226
1874.....	1,146	69,599
1875.....	1,534	70,479
1876.....	1,695	72,489
1877.....	2,200	140,153

COMMUNICATIONS ON SUGAR CANE CULTURE, AND SUGAR AND SYRUP MANUFACTURE.

DUNDAS, RICE CO., MINN., JAN. 6, 1878.

Mr. Jno. P. Jacobson, Commissioner of Statistics, St. Paul, Minn.

DEAR SIR:—In compliance with your request, I now will endeavor to note down a few items in regard to this subject of amber cane culture, which is awakening such wide spread interest throughout our land, which is attested by the flood of letters which have almost continually been pouring in upon a few of us, who have been so successful in the production of a fine article of syrup, and in the granulating of it into sugar.

When it becomes generally known that we away up in Minnesota, have found a variety of cane which will make an excellent syrup, a large amount of sugar, and that is a perfectly *safe* crop to raise here in this high latitude; one which is possessed of almost unrivaled saccharine properties; one which will yield heavy crops of delicious sweet, on any of our common prairie and timber soils, I can say that another year there will be such an area of early amber cane planted which will very materially lessen the amount of money we annually send out of this country for our sweetening. When the common farmer comes to produce his own sugar and syrup, it will put a different and a *sweeter* aspect upon his domestic affairs.

I have known many families who in reality had to do without the necessary sweetening they needed for their family use, but now since neighborhood mills have been put in operation near them, they all can have an abundance of it and as they often express it "We don't know how we could get along without it."

When a poor family comes in possession of a *whole barrel* of the syrup, they feel really *rich*. They then use it freely, and in fact they then live better; the benefits accruing from it are of almost incalculable value.

Quite a number of new mills were put in operation in our county the past season, and several factories were overhauled and the old machinery taken out and replaced with larger and better fixtures. Still other parties are contemplating enlisting in the business; and a number of the mills which are now run with horse power will next year be propelled by steam power.

We have quite a large product on the market, and we already hear complaint from some of our merchants that we have seriously injured their trade in the sale of syrups.

There is a call for the seed from many parts of the country, where last year it was only tried on a small scale for the sake of testing it, showing that people have faith in it. One report from California says: "It grew splendidly and was pronounced by men from the cane growing states of the south, to be the *sweetest* cane they ever saw" and they intend planting it to some extent in the "Golden State" next spring.

It is not only very rich in saccharine, but there is the early ripening feature of it which *very highly* recommends it to all who live north of forty two,

Large amounts of sugar have been found in our syrup barrels. Many to whom I have in years past sold syrups, have said to me a while afterwards that the "keg was nearly one *half full* of sugar."

Last year my barrels were from one half to two thirds full of mush sugar. I constructed a hand centrifugal and found by subjecting the mush sugar to the

centrifugal force, the syrup became rapidly purged out and a beautiful, lively light yellow sugar was obtained, of which I have sent samples to many parts of the United States. Gen. Wm. G. Le Duc, Commissioner of Agriculture, ordered a large sample both of my syrup and sugar, last spring, which he sent to the Paris Exhibition.

The samples I sent to New Orleans, was regarded by them as the *best*. They classed it as "Prime A." I would call your attention to the Commissioner's report of Agriculture for 1877; on page 232 will be found an analysis of our Minnesota sugar, made from our early amber cane, which was made by the chemist of the department, which shows it to be a genuine cane sugar. By this we see that the sugar is *not* a waxy mass of glucose as some have supposed.

This year I have had very little success in granulation. In an article written by a gentleman from New Orleans, it is stated that the last frost upon the standing cane will injure its granulating qualities, or, in other words, prevent granulation of the syrups. I had never before thought this to be the case, yet it may have that effect. I have never had as good success with *immature* cane in producing sugar as with that which has become thoroughly *ripe*. My cane this year was, much of it, unripe; and the frost of the 12th of September cut the leaves so much that I cut it up before I would. My cane was planted rather late. I must from past experience recommend early planting, as you will, in the fall, always find the early planted cane ready for the mill sooner than the late planted. In planting large areas for one plantation, it is a good policy to have a part of it planted quite early, just as soon as the ground can be worked. Then, pieces planted at short intervals until all is in. If the fall frosts do not come too early, cane planted as late as the last week in May will, many times, thoroughly ripen. Of course I speak in reference to my locality and latitude. From evidences which have accumulated for some years past, I am led to believe that the heaviest yields are secured by allowing only a few stocks to grow in each hill, say four or five, and keep all suckers pulled off. Pieces thus treated have yielded much more per acre. Cultivation should be thorough from the start. When planted very early the seed should only be put in one-half an inch deep. Later planted should be covered one inch, and if planted quite late, when the ground is quite dry and warm, it should be put down one and one-half inches, or deep enough to be secure from drying out before germination commences. Our improved seed gives us a cane which yields much more per acre than it did before we got it to so high a state of excellence as it now possesses.

No benefit results from soaking the seed before planting. As soon as the cane appears cultivation should commence, and with a strong will, the cultivator should prosecute the work until the cane gets so high as to shade the ground. I would recommend the use of a small garden rake upon every hill as soon as the young plants appear above the ground. By lightly raking the ground over directly on and around each hill, many small weeds will thus be destroyed. The young cane should always be kept free from weeds. This is *very essential*, as this is the time to make the crop, for if it once, while so young, gets smothered by them it is irreparably injured.

The cutting of the cane usually commences the last of August or the first of September. There are various modes of handling cane preparatory to hauling it to the mill. Different persons will, many times, choose different modes of procedure. One of the best ways I have ever been able to harvest my cane is to windrow it with leaves and tops all on, letting it lay not to exceed two weeks, on the ground, then cut the heads off the cane, then, with two men, and horses and

wagon, go between the windrows, taking off from the two windrows at the same time until you get a load, then haul up to the mill and work up as soon as you can. But the cane does not of necessity have to be put through the mill at once, for, if it is stored in a good dry condition safe from the rains and from frost, it may be worked up at any time before it freezes up.

In raising large crops it becomes a necessity to store your cane, as it cannot stand after it is thoroughly ripe, or after it is liable every day to be nipped with frosts.

If it is secured in a good condition, and the leaves have not become moulded, or weather-beaten and injured, it may be run through the mill without detriment to either the quality or quantity of the syrup. I have been most unmercifully opposed in this, and that too by *novices*, who know little or nothing of the business, and generally by those who had insufficient machinery that would not crush dry.

I can convince any one who will visit me during my operations next fall, that I *do*, with my "Victor" mill, take out all the juice that any reasonable person could desire; that no juice will leave the mill on the leaves; and on my "Cook" evaporator, I will show them a quality of syrup of a finer quality than they usually see made from cane with all the leaves taken off. I have often tried the experiment of stripping off the leaves, and can see no benefit resulting.

Lastly, I would earnestly recommend all to never buy a weak mill. No one can afford to run the risk of losing such valuable crops as these cane crops have proved to be, with a mill that will break down right in the midst of operations. If a mill breaks you are not only at the expense of your time lost and the paying of repair bills, but you frequently get so much delayed as that in some cases, hundred of dollars' worth of cane is froze up and lost, that, had your mill been all strong and good, all would have been put through and safely in the barrel. I have tried four different mills before I got a good one; one of which, in particular, was and is now highly recommended by some. I found it was not the one for the business. When I find that there is a better mill made than the "Victor", made by the Blymyer Manufacturing Company, of Cincinnati, O, then I want one, but I don't know how a mill can be more perfect in all of its parts. It is a fact which may not be generally known here at the North, that about two-thirds of the plantations of the South have the Victor mills.

In regard to evaporators, no one who has ever used them and learned *how* to handle them systematically would be induced to try any other. "Buy the best."

Any persons who seek information, which I may be able to convey, upon this subject, will be cheerfully replied to, if I am addressed by letter.

Respectfully,

C. F. MILLER.

NEW ORLEANS, DEC. 20, 1878.

Jno. P. Jacobson, Commissioner of Statistics, St. Paul, Minn.

DEAR SIR:—In reply to your favor of the 1st it affords me great pleasure to give you the desired information which although necessarily limited, I trust may assist in benefitting the farming interests of your state.

My experience with the Early Amber Sugar Cane, has convinced me, that it can be grown to advantage upon any soil considered good for corn, but it would not be advisable to plant it on freshly manured lands which would produce a too

rapid growth, whilst the proportion of crystallizable sugar in the juice would be smaller. Therefore some other crop should first be taken from such lands, before the Early Amber cane could be planted to advantage. Almost the same might be said of freshly broken lands, although they seem to me less injurious to the formation of crystallizable sugar, than the former.

Woodlands are preferable to the open prairie, because the woods protect the cane from the effects of bleak winds; timber lands are also more valuable, on account of their chemical composition, than prairie lands; and as a general thing they are undulating, draining naturally, which is particularly to be considered, as stagnant water is especially inimical to the formation of crystallizable sugar.

Next to the climatic influences, varying from year to year, the formation of the crystallizable sugar depends on the conditions before mentioned.

In planting the Early Amber cane, the hills ought to be kept three feet apart, and the suckers should be removed, so as to give the necessary strength and nourishment to from six to seven stalks in each hill. A careful cleaning and weeding of the land is one of the principal conditions for the perfect development of sugar producing plants.

Such lands, properly worked, will certainly yield from 10 to 11 tons cane to the acre. According to my experiments made with several tons at the time, from 80 to 90 gallons juice of 16 per cent. density or solid matter were obtained by means of a six-horse power mill. Of these 16 per cent. solid matter, I found about 13 per cent. crystallizable sugar, the remaining three per cent. consisting of glucose starch and organic impurities. With a good apparatus or machinery, about 10 per cent. crystallizable sugar can be obtained out of this 13 per cent., the balance remaining in the molasses.

Before passing through the mill, the cane has to be stripped of its leaves, which, if not removed, would, under pressure, yield their organic gummy substances, which pass into the juice; and it is well known that every per cent. of impurities prevents at least one per cent. of crystallizable sugar from crystallization.

The stripping of the leaves can be easily performed by means of flat pieces of wood, and two boys of 15 years or so, can strip one acre per day. These leaves as also the bagasse on the cane, which has passed through the mill, should be employed as food for cattle; the seed is likewise very valuable for feeding purposes. It ought to be saved before the cane goes into the mill, and one man with a boy, I think, will be able to cut and top an acre of cane in a day.

As is well known, that sugar is a production of the atmosphere, a combination of carbon, hydrogen and oxygen, therefore what has been taken from the soil of inorganic substances, remains in the bagasse or the crushed out cane, which can and ought to be returned to the soil.

The cane is ready to be cut towards the end of August or the beginning of September. It takes a two horse wagon and one man to haul the cane to the mill a distance of two miles. Before it is taken to the mill, it can be left with advantage, exposed to the sun for a couple of days. The object of this "curing of the cane," as it is called, is principally to evaporate some of the water of the juice, but it must not be carried too far, the cane getting otherwise too dry, diminishing the extraction of the juice.

The cane which cannot be worked up immediately has to be piled up not higher than about four feet, if possible under a good shed. If such, however, is not at hand, it becomes necessary to put some straw around the cane piles, and in cold nights these should also be covered with straw, which has to be opened at noon to admit ventilation. In this way the cane might be very well preserved

until November, care being taken, however, that the cane does not get heated and spoiled.

For the extraction of the juice from the cane, roller mills have, so far, been almost exclusively used; it is, however, a well known fact that the extraction by mills is very imperfect, only one-half of the juice being extracted, the other half remaining in the bagasse, being thus lost and wasted. The best Louisiana mills even do not surpass 60 per cent. extraction of the juice present in the cane; the small sorghum mills, of course, much less. Amongst these the Victor mill seems to be considered the most convenient and best constructed.

A six-horse steam power Victor mill might consume the cane from three acres in 24 hours, one man being required to carry the cane to the mill, and another man for feeding it. But when the mill is provided with a carrier in place of a feeding table, this man can be dispensed with. The bagasse, as it comes from the mill, can be carted off in a one-horse wagon; and if it is not to be used for feeding or littering the stables, it can be employed advantageously as fuel, after a short exposure to the open air.

Another process which is now almost exclusively used for the extraction of the sugar beets in Belgium, Russia, Austria, and Germany, is that of diffusion, repeated washings, which extract the juice completely. This process has been, for some time, applied to cane also with success, but, until quite recently, the machinery was too complicated and expensive; objections which I am assured have been entirely overcome by late improvements and simplifications. In the diffusion process the cane is not crushed, but cut into thin slices diagonally by a machine, which consumes about 6,000 pounds of cane in an hour, requiring a force of 2- or 3-horse power. The slices are then dropped into cylindrical vessels which can be closed tight; while being filled with cane slices, water is let into the vessel through a pipe entering at the bottom. When the first vessel is full and hermetically closed, another vessel is commenced to be filled. Through a valve and pipe at the top of the first vessel the juice is forced under hydraulic pressure into the 2d, 3d and succeeding vessels, until it is sufficiently enriched with saccharine matter to be sent into the clarifiers. When the chips in the first vessel are entirely exhausted they are thrown out. From eight to nine vessels, connected by pipes and valves form a diffusion battery, supplied with water from a cistern or tank above. Through one pipe the pure water enters the vessels; through another the juice flows out. The clarifiers stand a little lower than the water reservoir, affording an abundant fall for filters.

The U. S. Commissioner to the Philadelphia Exhibition of 1876, in his report on sugar and chemicals, expressed himself very strongly in favor of this process, being the only rational method of extraction possible. It will enable us to extract about 95 to 96 per cent. of the juice which comes from the 6th and 7th vessel in good condition, merely with an addition of 18 to 20 per cent. water. This small excess of water, however, needs scarcely to be considered with us, where sugar is so dear and feed so cheap.

After the juice is extracted the principle thing is to separate from it all impurities, such as sand and dirt, which sink to the bottom of the settling boxes. From these the juice passes through a layer of straw or hay, in order to get rid of the debris and fibers of cane. This straw or hay has to be changed every 12 hours to keep it from getting sour. With diffusion juice these precautions are not needed, as it contains no such impurities as sand and fibers.

The settling boxes ought to be sufficiently large to supply the sugar-house with juice for the night work, a saving of several dollars in fuel and labor.

From the settling boxes, if possible by natural fall, the juice goes into the clarifiers. For open fires three such clarifiers, consisting of pans 12 to 14 feet long, $4\frac{1}{2}$ feet wide and from 10 to 12 inches deep, are required, to work the cane from three acres in 24 hours. In these pans the juice ought to be thoroughly desiccated to get rid of its very peculiar taste, either by lime and ox blood, with hydrate of aluminum, or any other agents of coagulation or desiccation. Here it may be observed that most of these substances have been in use for a long time, and the farmer should beware of the many bogus patents and nostrums. The articles alluded to are mostly well known in commerce.

The scum of the desecators is advantageously used for feeding hogs.

If merely brown sugar is to be made, the clarified juice must be allowed to settle again before it is evaporated. To make white sugar, however, it is necessary to pass the clarified juice through bone black filters. A bleaching process by means of sulphurous vapors can also be applied, but the bone black filters are much to be preferred.

When the juice has been filtered or settled sufficiently, it has to be pumped, unless there be fall enough, into the evaporators. Under certain circumstances, especially when only syrups are to be made or where only small quantities of sugar are manufactured, these can be finished in the evaporator. With open fires, however, it is necessary to work very slowly, and to boil to a consistency of about 86 per cent. Balling guage, before it is let into the crystallizing tanks. These should be located in a well closed room, kept at a temperature of at least 100° to 120° F. Under such conditions the first product will be completely crystallized within two or at most three days; and when the second syrups or molasses are reboiled, they will require about five to six days to crystallize.

After the crystallization is completed, the sugar is most readily separated from the molasses and dried, by centrifugal machines.

Where it is desired to work to the greatest possible advantage, the juice should be evaporated only about 60 per cent. Balling and finished in a vacuum pan, in which the syrup can be granulated directly, being merely dried in the centrifugal machines.

The skimmings of the evaporator might either be returned to the clarifiers or they can be manufactured into vinegar. If the entire sugar-house is arranged with open fires, only about one cord of dry wood to the acre will be consumed in fuel. But where steam is employed for the evaporators and the pans, the consumption of fuel would be less, the work performed more economically and neatly.

In a sugar-house prepared to manufacture daily the cane from three acres, about five men would be required for all the indoor labor.

Indulging the hope that the little, which for want of time at present, can be said to the people may be of some practical service to your farming friends, I trust to be able next summer, to speak more thoroughly and fully upon this interesting subject. Believe me dear sir,

Yours most respectfully,

HENRY STUDNICZKA,

Chemist.

General Sugar Planters Advisor and Supplier,

St. Louis, Mo.

COMMUNICATION FROM HON. S. H. KENNY.

The following letter, though prepared for the Pioneer-Press, has been placed at our disposal by the author. As he is one of the oldest and most successful growers of Amber cane and manufacturers of sugar and syrup therefrom in the State, his opinions and directions deserve far more than ordinary attention:

The notes on the new industry of this State, the Amber cane, last week, I have read, as also your reports of the progress of others. Regarding the notes from Kandiyohi county, the writer says "he does not think a first-class syrup can be made on common evaporators." If he means plain pans I shall agree with him. If he means the Cook evaporator the proof of the pudding is in the eating; and if the writer will come down and I cannot convince him that he is wrong, I will not praise the Amber cane again. I have tried to give the readers of the Pioneer-Press correct ideas with regard to handling sugar cane. I never have believed with my friend Miller that the cane should be worked with the leaves on. I do not like the plan as well as to pile it—a practice that I have done for many years, and if done as I direct I think it will give your readers satisfaction. It is my own method, but unlike the "drive-well business," there is no patent on it. But I have kept the cane in fine condition for six weeks; and I shall give careful directions, as a few such letters as your correspondent will help to throw discredit on what I believe to be one of the best things ever grown in Minnesota. I am ready to stake my reputation on it, and await the verdict of your readers in time to come.

When the cane is ripe enough so that one-third of the seed is filled, I usually commence. The syrup contains albumen, or some would call it "cane-jell." The syrup looks a very light color, but is more difficult to boil thick, and if boiled thick will grow thin afterwards, and hardly ever granulates, as the albumen prevents granulation. This same cane kept five days, or so long as it can be kept and not get sour in the butts, is boiled thicker much easier than before, and is almost sure to show signs of granulation.

Storing the cane a few days takes away much of the rank, green taste. In the early part of the season, and as long as we can without fear of freezing, I prefer to top and strip the cane on the hill, and four or five days ahead of our immediate wants. Cane that is cut, after a few days there begins to be a loss; if the weather is warm the greater the loss. I wait till I fear a freeze, although I should prefer cutting and piling a day or two ahead of a freeze, as this gives the exposed stalks on the tops of the piles a chance to wilt, so that a freeze will not injure the stalks. A cane stalk cut off and laid down by itself will not damage by a freeze for a long time, while such treatment with a stalk not cut off would ruin it in a short time. Cane that I pile I wish to pile with the leaves and tops all on, and to remain in piles till wanted to use with the leaves left on. The cane dries out much less, as it prevents free circulation of air. If the cane is laid straight there is no circulation of air, and it will heat and mould. I mention this after many long years experience in handling cane, and as your numerous correspondents say nothing about it, and I never have had any cane spoil handled in this way, and in large operations in our climate the successful cultivation of large fields of cane depends on handling it so it will keep well six weeks at least. And as I have been successful in this way in saving my crop in such condition as to make sugar

with cane cut September 15th and worked as late as October 28th, I give it to your readers, believing that instead of "blaming me," will think of me kindly for this letter.

I generally pile the cane myself, and employ six persons to bring it to me, two or three hills at once. We take about eight rows along. I commence by laying four hills butts to the north, side by side; I then lay across the butts of the first four hills, four more hills, laying the butts even, cross and recross. The butts will soon raise the highest. When the pile gets eighteen inches high I run the top over those already piled to protect from sun and rain, being careful to project the butts over gradually and evenly, and piling as compactly as possible; and as the pile nears completion spreading the tops in the shape of a fan. The butts, when the pile is finished, being much the highest, the piles nearly shed rain; and the butts of the stalks last piled projecting over the rest, a gradual slant from the ground up, and all piled even on the out ends, leaves only the ends of the few last stalks exposed; and the piles when stripped contain about half of a two-horse load. The butts of the pile at the highest point are two and a half feet from the ground; over the ends of these if a forkfull of pressed cane stalks were thrown to keep the rain and sun out, do not think there is another as good way to store cane.

If your correspondent wishes to strip it all on the hill and has not got acres of it, perhaps in a small way his would be the best. The sun and rain injure cane. After it is cut, if it lays long enough to get sour in the ends, the syrup will be darker, and I think it pays to cut them off when piled up evenly together after hauled to the mill.

Let every cane-grower bear in mind, after cane has been cut four or five days there is a positive loss until worked, greater or less, corresponding with the weather. The later in the season the less loss by evaporation. Last year I laid part of my cane in windrows, and piled part; and did the same this season, but shall pile all that I do not use, early.

I do not think that every man will make a success of this business—(a good many men make very poor maple sugar)—but the same care and money invested in this business that is required to make a success in other branches of industry and the Amber cane will be a great success. I should have said it is a great success, but I will wait and leave it with the agricultural editor.

SETH H. KENNY.

EARLY AMBER CANE AND SUGAR ANALYZED.

The Hon. W. G. LeDuc, commissioner of agriculture at Washington, in his agricultural report of 1877 gives a very interesting description of the Minnesota "early amber cane" and the process of manufacturing syrup and sugar therefrom—regret that space will not permit to introduce it here in full. Speaking of its saccharine properties on page 232 of said report says "The amount of sugar produced from the early amber cane is five to six pounds from a gallon of syrup weighing $13\frac{1}{4}$ pounds." "The centrifugal drained sugar from this cane made as above is very fair in color, of fine flavor, and almost entirely of the sugar-cane type. A specimen of it analyzed by the chemist of the department, whose report is here-

with given, shows it to contain glucose in comparatively an insignificant amount."

The result of said analysis is given as follows:

Cane sugar (saccharose).....	88.8934
Grape sugar (glucose).....	5.6100
Water (by drying at 110 C.).....	5.8250

HOPS IN 1877.

Acres cultivated.....	84
Pounds produced.....	29,807

Years.	Acres.	Pounds.
1869.....	457	264,789
1870.....	311	138,803
1871.....	273	64,243
1872.....	93	114,429
1873.....	194	57,291
1874.....	131	53,655
1875.....	173	63,037
1876.....	189	33,639
1877.....	84	29,807

The foregoing table exhibits the aggregate of hop culture from 1869 to 1877.

FLAX IN 1877.

Acres cultivated.....	5,547
Seed produced, bushels.....	40,838

The acreage and bushels of flax seed for the past six years are as follows:

Years.	Acres.	Bushels.
1872.....	12,129	71,752
1873.....	12,114	100,853
1874.....	19,715	109,043
1875.....	16,644	125,932
1876.....	8,191	44,243
1877.....	5,547	40,838

GRASS SEEDS IN 1877.

Timothy seed produced, bushels.....	42,559
Clover seed produced, bushels.....	8,807

The principal portion of the timothy seed for this year was produced by the counties of

Faribault,
Nobles,
Wilkin.

Morrison,
Rice,

The summary for a series of years is as follows:

Crops.	1871.	1872.	1873.	1884.	1875.	1876.	1877.
Timothy, bushels.....	15,823	15,228	40,022	46,263	31,576	83,379	42,559
Clover, bushels.....	2,588	2,348	1,546	5,651	4,861	5,041	8,807

COWS AND DAIRY PRODUCTS 1877.

Number of milch cows.....	200,379
Pounds of butter produced.....	13,443,195
Pounds of cheese produced.....	829,075

COUNTIES PRODUCING THE LARGEST AMOUNT OF BUTTER AND CHEESE

are:

Counties.	Pounds Butter.	Pounds Cheese.	Counties.	Pounds Butter.	Pounds Cheese.
Blue Earth.....	542,636	12,723	Freeborn.....	440,960	44,518
Brown.....	309,765	8,477	Goodhue.....	617,901	6,823
Dakota....	451,499	5,158	Hennepin.....	415,987	3,231
Faribault.....	399,343	34,160	Houston.....	305,620	3,047
Fillmore.....	488,911	20,500	Olmsted.....	513,279	92,605
Nicollet.....	367,396	7,407	Rice.....	367,337	29,385
Otter Tail.....	314,865	13,469	Stearns.....	321,807	34,563
Scott.....	419,191	.....	Winona.....	360,819	1,545
Wabasha.....	305,536	1,775			

SUMMARY OF DAIRY PRODUCTS FOR THE PAST SEVEN YEARS.

Years.	Cows, number.	Butter, pounds.	Cheese, pounds.
1871.....	106,616	7,356,768	469,147
1872.....	135,691	8,823,630	772,630
1873.....	155,454	10,140,316	1,031,510
1874.....	169,618	10,916,942	1,090,238
1875.....	176,278	12,029,371	1,009,999
1876.....	185,149	12,348,971	1,022,348
1877.....	200,379	13,443,195	829,075

An increase in number of milch cows of 15,230 over the preceding year, and 1,094,224 pounds increase in butter; a decrease in cheese of 223,273 pounds.

HON. S. S. GARDINER ON DAIRY FARMING.

Hon. S. S. Gardiner, President of the State Dairymen's Association, in an essay read before a meeting of that society last summer, contends that Minnesota is the choice region of the United States for dairy business. Here the winter's cold is not so great as to injure the health of stock, while in summer, the nights are uniformly cool. The thousands of acres of free grazing lands, covered with luxuriant growth of highly nutritious native grasses, afford abundant pasturage, and pure water is plenty in nearly every part of the State. Natural conditions for the profitable production of butter and cheese which cannot be surpassed. He maintains that dairy farming is more certainly remunerative than wheat-growing, because it is not so liable to injury by grasshopper depredations, unpropitious seasons, hail storms, etc., nor does it occasion depletion of the productive elements of the soil.

Statistics inform us, he continues, that once in every three or four years crops all over the eastern and southern States are seriously damaged by drouth or other causes, and in those States dairy farming is now made a specialty, with the result of fair profits and a maintenance of the fertility of the lands.

In some sections of Minnesota farmers have had sad experience in risking their all in a single crop, especially during the late term of grasshopper visitations; when, if their attention had been partly devoted to stock raising or making butter and cheese in connection

with grain growing, they would have escaped the extremity of destitution which befell them. While grain growing everywhere is attended with more or less risk, and frequent occurrences of total losses of crop, extending over considerable areas of country, Mr. Gardiner declares that he never heard of a total loss in stock raising or dairy productions in the United States, not even to the extent of the products of a single dairy.

He urges further, that combining stock and dairy farming with grain growing, will afford opportunity for recuperating the soil, without diminishing the profits or adding to the labors of the agriculturalists, and, in concluding, cites several circumstances to show that the quality of butter and cheese produced in this State can be made superior to that of eastern manufacture, and that it will bring better prices, mentioning incidentally that Iowa took the prize for butter at the Centennial Fair, and that a decided preference is now given to Wisconsin cheese in the English market.

BUTTER AND DAIRY FARMING.

BY U. S. HOLLISTER.

The statistics of the United States shows the annual dairy product to be about \$350,000,000. or, about \$50,000,000 more than the entire wheat crop of the country.

New York markets now are quoted as follows: "Choice dairy butter, 40c; common and western, 5 to ten cents per pound." Choice table butter is not in sufficient supply in St. Paul at 25 cents per pound, while the commission stores are piled to the ceiling with mixed common butter that would not bring an average of 8 cents per pound in any market in this country. What is true of our market is also applicable to the commercial centers of all our recently developed Western States.

It proves conclusively that in our greed for wheat we are losing sight of an immense industry; that we are not producing our proportion, and that our people are losing money on what they send to market.

Really good table butter is a luxury that cannot be produced at a profit for less than 25 cents per pound, and there is no immediate prospect that the supply will exceed the demand at that price. Producers of poor butter have no reason to find fault with the market; the market will always go hand in hand with the supply and demand, and no legislation can hinder it. Convert all the poor butter in the West into a really good article and Chicago, New York or Europe will take every surplus pound, and pay for it a cash price that will leave a profit in the hands of the farmer.

Can we afford to lose so much and thrive as an agricultural community.

It is not within the scope of this paper to detail everything pertaining to better production, but simply to point out how it may be done, and leave minutæ of operations to the skill and intelligence of our people. No State in the Union has a clearer atmosphere, purer or sweeter grasses (all prime essentials to successful butter making) than Minnesota.

Nature has done her share for us. One of the important considerations in favor of dairy operations is that you sell nothing that is of any value to the soil and return to it all the elements of plant growth.

This follows naturally. Crops of grain are fed upon the farm and your fields are pastured. Valuable fertilizers are produced in munificent abundance and their return to the land stimulates instead of impoverishing it.

A farmer's income must not be all money, but largely of better buildings and surroundings, better stock, and richer lands. The necessities and results of carrying on a successful dairy farm does this.

One of the most successful dairymen, or butter makers of our acquaintance, milks from 75 to 90 cows and sells his butter the year round at 40 cents per pound. His farm is no different from the average one to be found anywhere, except that long continued stock feeding has made it enormously productive. The location is near Whitewater, Wisconsin. Plenty of pasturage and hay of wild and cultivated grasses, on low lands, 160 acres good oat and corn land furnishes the basis. The cows are natives, and grade Jerseys, the latter predominating, all carefully selected. The feed in summer in addition to pasture and green soiling, is four quarts per day to each cow of corn and oats ground together.

In winter, hay, corn stalks, carrots, and eight quarts of meal per head. A windmill furnishes water from a deep well and the cows at all times have free access to the tank. They are stabled at milking time only during summer and winter. The stables are on the second floor, with storehouse for manure in the basement. This latter is hauled out every day and spread upon some portion of the farm when time and weather permits.

The strictest neatness and cleanliness prevails in the stables. The droppings all fall into a channel in rear of the cows, and is immediately run to a side door, and removed from the stable. No unpleasant odors are allowed to remain for an instant during milking time, as milk is a greedy absorbent, and readily takes up impurities floating in the air. Clean straw is used for litter. The cows are not fed during milking time. As each cow is milked she is turned out to feed, and the milk emptied into a forty-gallon tin can, which is taken to the milk house as often as filled.

The milk house and butter rooms are placed against a hillside with an eastern exposure. The milk room is 10x30 feet, with eight feet ceiling, and cemented on sides and bottom.

Along the entire west side of the milk room a cistern is built of stone, arched over and covered with four feet of earth. Inside of milk room, extending the whole length of the west side, is a cement water tank, four feet wide and twenty inches deep, with faucets connected with cistern at north end and discharge pipe at south end. The water supply is furnished by a windmill with a ten foot wheel, and is kept running continually when the wind is high enough, the cistern holding a surplus in reserve for use during still weather.

The milk is set in deep tin cans nine inches in diameter and twenty inches deep, and the cans are immediately plunged to the rim in water of a temperature of fifty-four degrees; this being the natural condition of this well water.

The water is slightly warmed by the milk, until it reaches, usually, about fifty-eight degrees, where it is left, by keeping a stream of water continually running into the tank from the cistern, and out at the discharge pipe. The water running from the tank is conducted in pipes to the stable yard and utilized as stock water. The milk is allowed to stand twenty-four hours, when it is skimmed and churned

sweet. The churning is done once a day, and in the morning, the evening skimming being kept in stone jars, and at the right temperature to keep it sweet until churning time.

When possible to keep milk and cream at the right temperature without ice, it is done.

The churning is done by horse power, and a large sized Blanchard churn is used, which also partially works the butter. This last process is finished by a white oak lever butter worker. Coloring matter is used every day in the year, to preserve perfect uniformity in color during the entire season. The color used is annatoine, prepared after Bussell's recipe. The butter made in the morning leaves for Chicago the following day, and is packed in common tin pails, with cover, and holding eight pounds. In summer the pails are packed in a refrigerator box, and reaches the consumer as sweet and solid as when it leaves the butter room. No work, except skimming is done in the milk room, the churning, working and packing having a separate apartment.

These rooms all have cement floors, and are thoroughly washed every day, and no person with unclean clothing or shoes is allowed to enter them. There are three prime essentials to butter making that are best attained by the use of deep cans and water tank:

1st. To reduce the temperature of the milk to 58 or 60 degrees as soon as possible.

2d. To maintain it as near this point as possible during the twenty-four hours.

3d. To expose as little of the surface of the milk to the air as possible.

Again; water is an absorbent of impurities, and it is well known that the volatile odor of new milk, or the animal odor, if kept in a close room without any other absorbent, must be absorbed by the cream, and imparts a bad or unpleasant flavor to the butter.

A current of cold water flowing around the cans will remove this odor completely. Large vessels, or deep cans must not be set with milk in a heated room, even in the coldest days in winter, but at all times and under all conditions, they must be kept plunged in water of the proper temperature.

Upon the dairy farm in question, the raising of pork is an important item. The owner makes the following statement, and declares that his actual experience bears him out in it. He was paying at that time 75c. per hundred for corn meal to feed his hogs.

He claims that 100 pounds of meal mixed with 100 pounds of sour milk; and allowed to ferment, will go as far toward fattening his pigs as 200 pounds of corn fed in the usual way. This is a big statement. It makes sour milk worth 75c. per hundred pounds, or as much as meal. It is perhaps nearer the actual fact to say that 100 pounds corn meal and 200 pounds sour milk would make as much pork as 200 pounds corn fed unground.

The making of pork is certainly a very important factor of profit in connection with a butter or cheese factory. They consume the surplus sour milk and whey, and fatten on it, leaving at the same time a valuable addition to the manure heap. J. Boies of Marengo, Illinois, writes at the close of a letter, as follows:

"The sour milk we feed to hogs, which we find very profitable, low as hogs are. This manner of farming brings land up to a high state of fertility. Our corn, last year produced 100 bushels per acre. We milk 135 cows, and buy of our neighbors 4,000 pounds of milk per day. We make 300 pounds of butter per cow each year of ten months, and sell at 40c. per pound, at home."

C. S. Sargent of Brookline, Mass., realized \$300 per year from each cow; but he is the peer of butter makers, and at one time sold all his butter at \$1.15 per pound at wholesale.

Col. Waring of Newport, during the most of his Ogden farm experience, sold butter from his Jersey cows at \$1 per pound.

These are fancy prices and are not given as an example of what everyone can do, but as an incentive for reasonable effort. Without doubt, the cheapest, as well as the best plan for farmers to pursue in regard to butter making is to encourage the establishment of butter factories, to which they may sell their milk. When this cannot be done the next best plan is to make such improvements on your own farm as will enable you to make a good article. If this is not practicable let butter making alone beyond what is needed for home use. In new countries it may be a source of income to have a few pounds of butter each week to trade for groceries.

It is perfectly natural to think there is profit in it because it brings in a little money. Stop and count the value of your cow, and the cost of feeding her a year, add to this the labor of milking and making the butter and see how much profit you get out of ten cent butter exchanged for groceries.

Trade your cow for steers or pigs and at least save your wife the drudgery of butter making to no purpose. There is positively no profit in it and you do not even get pay for your labor counting nothing for investment and cost of maintenance.

It is poor butter that ruins the prices on a fairly good article and keeps fancy butter at a high price.

Good butter can be made on any well managed farm. A cool cellar, shallow setting in the old fashioned pan, careful handling, and cleanliness, will help to produce a fair article, even under other disadvantages.

If your cow is a poor milker, or a poor butter cow, the sooner you convert her into corned beef the more profit she will be to you.

If you are so situated that your milk pans and cream jars must occupy your kitchen or bedroom, and absorb all sort of odors, don't make a pound more butter than you want to use at home. For humanity's sake don't offer it to your innocent customer, but eat it all yourself and determine never to offer a pound for sale until you can make an article worth 25 cents per pound, then this immense dairy interest will take care of itself.

CULTIVATED AND WILD HAY.

Tons of wild hay, were.....	974,224
Acres of cultivated hay, were.....	112,056
Tons of cultivated hay, were.....	131.647

The counties most prominent in production of cultivated hay were:

Blue Earth,	Chisago,	Dakota,
Dodge,	Fillmore,	Goodhue,
Hennepin,	Houston,	Le Sueur,
Mower,	Olmsted,	Ramsey,
Rice,	Steele,	Wabasha,
Washington,	Winona,	Wright.

Counties having the largest crop of wild hay are:

Blue Earth,	Brown,	Faribault,
Freeborn,	Goodhue,	Hennepin,
McLeod,	Meeker,	Otter Tail,
Steele,	Waseca,	Watsonwan.

THE HAY CROP FOR THE LAST SIX YEARS, OF CULTIVATED AND WILD HAY.

Years.	WILD HAY.	CULTIVATED HAY.	
	Tons.	Acres.	Tons.
1872.....	743,414	88,990	108,028
1873.....	783,618	104,525	144,712
1874.....	1,006,212	104,107	138,868
1875.....	878,782	47,952	122,813
1876.....	935,961	174,888	135,860
1877.....	974,224	112,056	131,647

SHEEP AND WOOL. 1878.

Number of sheep was.....	161,797
The product of wool was, pounds.....	705,116

The following table shows counties most prominent in sheep raising and wool growing:

Counties.	Sheep, number.	Wool, pounds.	Counties.	Sheep, number.	Wool, pounds.
Carver.....	6,524	35,245	Hennepin.....	6,331	37,741
Faribault.....	8,675	42,484	Le Sueur.....	7,272	28,046
Fillmore.....	5,333	21,456	Martin.....	6,252	27,114
Goodhue.....	6,032	27,496	Otter Tail.....	4,053	20,531
Rice.....	6,116	27,893	Stearns.....	5,771	22,532
Wright.....	6,490	27,939	Blue Earth.....	5,784	24,088

In the agricultural returns are also reported the number of sheep and product of wool for the present year, it being the only product of 1878 that can be returned by the assessors who gather these statistics during the months of May and June of each year. There-

fore this product for 1878 will be here presented in same manner as the foregoing.

IN 1878.

Number of sheep was.....173,269
The product of wool, was, pounds.....645,156

The most prominent counties for this year are about the same as represented in the table for 1877.

SHEEP AND WOOL FOR THE LAST EIGHT YEARS INCLUDING 1878.

Year.	Sheep No.	Wool lbs.
1871.....	116,493	355,232
1872.....	125,723	497,045
1873.....	141,748	529,859
1874.....	144,901	549,918
1875.....	143,689	578,948
1876.....	154,318	620,894
1877.....	161,797	577,067
1878.....	173,269	645,156

The present year shows an increase in number of sheep of 11,472 but a small decrease in wool.

It will appear from foregoing tables that there has been a steady increase from year to year in this branch of industry. The principal obstacle in the way of its being a greater success and more profitable, is the destruction caused by wolves and dogs. As a remedy against the former, provision is made by law in different counties in the shape of bounties for wolves killed and destroyed. As to the latter, instead of serving as a protection for the sheep against beasts of prey, it is apparent from the many complaints in our State as well as proved by statistics in older States, that where dogs are the most numerous the annual destruction of sheep is the greatest. According to the Ohio statistics the number of dogs in 1876 was 165,020; number of sheep killed and injured 47,311. During a period of ten years there were killed and injured in that State 622,658 sheep, valued at \$1,437,314.12.

MISCELLANEOUS PRODUCTS FOR 1878.

Apple trees in bearing.....	1,219,324
Grape vines in bearing.....	40,748
Maple syrup, gallons.....	16,588
Maple sugar, pounds.....	52,723
Milch cows.....	212,876
Sheep.....	173,269
Wool, pounds.....	68,256
Hogs.....	217,183
Horses.....	204,983
Beef and working cattle.....	119,262

FARMS.

Whole number of farms.....	61,136
CHEESE FACTORIES.....	46
NURSERIES.....	50

According to law the agricultural statistics are gathered by the town assessors at the same time as the assessments are made in the spring, and in their returns are also included, in addition to the crops and acreage of preceding year, the acreage of the present, together with other miscellaneous products, industries and facts as pertains to the present agricultural condition of the State; these returns also include sheep and wool of which mention has already been made.

In the tables immediately following will be exhibited in same manner as in the foregoing, a brief summary and analysis of the general tables given later in the chapter on agriculture relating to above named statistics, prominent among these are forest trees planted and growing; apple trees and grape vines growing and bearing; cheese factories, nurseries and number of farms.

APPLE TREES AND GRAPE VINES IN 1878.

Apple trees growing, number.....	1,219,324
" in bearing, number.....	203,492
Grape vines in bearing.....	50,748

Counties having the largest number in growing and bearing are:

Counties.	Apple trees growing	Apple trees bearing.	Grape vines bearing.	Counties.	Apple trees growing	Apple trees bearing.	Grape vines bearing.
Anoka.....	8,096	3,199	84	Dodge....	19,784	3,736	238
Benton.....	13,220	275	.....	Faribault..	34,026	6,854	379
Blue Earth..	37,103	10,195	1,880	Fillmore..	76,328	8,925	683
Carver.....	24,123	6,324	770	Goodhue..	61,892	10,907	1,696
Dakota.....	37,644	9,114	1,629	Hennepin..	270,483	20,506	4,328
Houston....	76,296	5,704	5,506	Le Sueur..	29,260	9,201	2,707
Mower.....	26,683	3,618	156	Olmsted..	63,847	9,387	1,364
Ramsey....	34,018	3,369	3,705	Rice.....	24,021	6,525	1,220
Wabasha...	29,227	9,522	57	Winona..	67,617	14,091	7,335
Wright.....	24,395	6,451	471				

SUMMARY OF APPLE TREES AND GRAPE VINES FOR THE LAST FIVE YEARS, INCLUDING 1878.

Year.	Apple trees growing.	Apple trees bearing.	Grape vines in bearing.
1874.....	3,742,479	114,474	36,145
1875.....	889,874	149,039	45,208
1876.....	798,258	153,133	36,060
1877.....	1,151,279	156,189	40,873
1878.....	1,219,324	203,492	40,748

Increase in 1878 from 1877 in apple-tree growing..... 68,045
 " " " " bearing..... 47,302

CHEESE FACTORIES AND NURSERIES IN 1878.

Number of Cheese Factories..... 46
 Number of Nurseries..... 50

FARMS AND TOTAL ACREAGE.

Number of Farms in 1878..... 61,136
 Of which are new, number..... 2,165
 Total acreage, 1877.....2,918,703
 Total acreage, 1878.....3,301,458

SUMMARY OF FARMS AND ACREAGE FOR FIVE YEARS, 1878 INCLUSIVE.

Year.	New Farms during year.	Total No. Farms.	Acreage.
1874.....	.....	.....	2,538,507
1875.....	.....	.....	2,612,365
1876.....	.....	.....	2,887,842
1877.....	1,691	57,104	2,889,069
1878.....	2,165	61,136	3,301,458

Increase in farms from preceding year.....	4,032
Increase in total acreage.....	412,389

MAPLE SUGAR AND SYRUP.

Gallons syrup.....	13,588
Pounds sugar.....	52,723

The season was one of the most unfavorable for this crop, but it appears from the large increase over last year that more attention was paid to this product.

The following table will show maple sugar and syrup produced during five years, including 1878:

Year.	Syrup, gallons.	Sugar, pounds.
1874.....	17,256	145,285
1875.....	31,536	151,215
1876.....	10,400	74,022
1877.....	6,182	18,297
1878.....	13,588	52,723

Increase over 1877, sugar, 34,426 pounds; syrup, 7,406 gallons.

The most prominent counties in production of maple sugar and syrup are:

Counties.	Gal. syrup.	Lbs. sugar.	Counties.	Gal. syrup.	Lbs. sugar.
Hennepin.....	1,909	12,509	Todd.....	2,322	5,706
Le Sueur.....	3,317	20,654	Wright.....	719	3,914
Otter Tail.....	878	1,974	Isanti.....	609	25
Rice.....	986	2,962			

FOREST TREES.

Total number acres growing.....	28,210
Number of acres planted in the season of 1878.....	4,863
Number of acres planted on Arbor Day.....	811
Rods of trees planted along highways and around farms.....	239,265

Counties most prominent in the planting and cultivation of forest trees, are

Counties.	Acres plant- ed Arbor Day.	Acres planted in 1878.	Whole No. acres planted.	Rods planted along high- way & farm.
Brown.....	10	108	3,291	11,688
Faribault.....	6	141	7,123	.....
Fillmore.....	.....	5	2,264	46,320
Jackson.....	38	497	1,080	596
Martin.....	15	223	1,537	13,659
Nobles.....	56	666	1,503	13,951
Rock.....	110	538	1,419	25,538

A comparative summary of preceding years cannot be given because the reports up to the present year were made for the number of trees; not acres; but the commissioner found the number increased to such enormous magnitude that a change became necessary in order better to convey the idea how this very important branch of industry is prospering, and what wonderful change it is effecting in the appearance of our prairie farms. It promises in a few years to supply the greatest need experienced by the prairie farmers of our State, namely, shelter and fuel, as well as adding to the scenery, the one thing so essential to beautify and adorn the landscape and charm the eye.

The liberal provision made by congress to encourage the cultivation of forests on the prairies, already begins to show good results, and the amendment to the act made by the last session of congress, for which our representatives are entitled to great credit, will materially encourage and aid those engaged in this enterprise, and stimulate to renewed efforts, with very good reason to believe that they will be crowned with success. Upon this subject attention is called to the following article by the Hon. L. B. Hodges, Secretary of the State Forestry Association, under whose skillful training many young forests are now springing up on our western prairies. His extensive knowledge and experience acquired by many years

careful study and attention, makes the remarks and suggestions therein contained worthy of most careful consideration.

COMMUNICATION FROM HON. L. B. HODGES.

ST. PAUL, DEC. 26, 1878.

HON. JNO. P. JACOBSON,
Commissioner of Statistics.

DEAR SIR: I have the honor to acknowledge receipt of your favor of Nov. 10, inclosing assessors' returns of forest tree-planting in the several counties of Minnesota. In endeavoring to comply with your request for an article on forestry I scarcely know where to begin. In examining the returns, some progress is shown—to many a gratifying progress.

Twenty-eight thousand three hundred and ten *acres* have so far been planted to forest in Minnesota. Of this, four thousand eight hundred and sixty-three *acres* have been planted during the present year. Of this year's planting, 94 per cent. has been done in the treeless portion of the State, generally where no other trees are in sight. When the work is properly done, the young forests have done well; have made a strong, vigorous and healthy growth. When the work has been poorly done—ground poorly prepared and poorly cultivated—the result is anything but satisfactory.

Only five years ago, it was a mooted question whether forestry on our western prairies could ever be successfully demonstrated.

Will trees grow? Can this vast, treeless region ever grow the timber necessary to supply the wants of a dense population?

Without forests, emigration must halt, and civilization stand staggering before the vast expanse of prairie she had but just reached.

Many of our eminent scientists had advanced the idea that the limits of successful agriculture had been about reached, and the "Great American Desert" was to the multitude a reality. To us in Minnesota it was becoming a serious problem, whether our own portion of the treeless region was to remain forever a wilderness, or to become one of the most productive revenue producing regions of the continent, densely peopled with an intelligent community, covered with fields of golden grain, dotted with villages, farm houses, elevators, churches, school houses, mills, factories and all the adjuncts of an advanced civilization, or merely the temporary abode of a few nomadic families, with their herds of cattle about the few small groves that the fires of countless centuries had spared from destruction. The government lands in the better timbered agricultural portions of the State had been absorbed by the already advancing wave of emigration. The eastern and southeastern counties of the State were becoming densely settled and yielding millions of bushels of our great cereal, giving wealth and fame to Minnesota, while a treeless region of greater extent and of equal fertility within our borders lay virtually an almost unbroken solitude.

Then came the memorable Blizzard of January 7th, 8th and 9th, 1873, with all its accompanying horrors, giving that region a set-back nearly as bad as that of the Sioux massacre of 1862; not only that region but all Minnesota. Never will I forget the anxious, earnest inquiry of Geo. L. Becker, as he sat in his office at the close of that storm, reading telegrams announcing the complete blockade of

the main line from the Big Woods to Breckenridge; the destruction of human life; dead engines, and engine houses buried in snow drifts: "Can nothing be done to mitigate or prevent such disasters?"

The remedy suggested was forest tree planting. Plant belts of trees along all the cuts, to protect them from drifts; which, if successful, will encourage the farmers to plant for their own protection and profit, and thus in a few years, the recurrence of another such disaster will be impossible.

It is only justice to Mr. Becker to add that he acted promptly on this suggestion, and before another winter came around, he had the satisfaction of seeing all the worst cuts planted with belts of trees, and over 500,000 thrifty young forest trees growing where none grew before. This good work was pushed along by Mr. Becker from year to year while he had the control of the road, and the success attending it gave a new interest to tree planting in Minnesota. Other railroad companies were encouraged to commence the same work; the people were encouraged and stimulated in this direction; a new interest in the subject was awakened all over the State, and the States and Territories to the southwest, west and northwest felt the wholesome influence.

Millions of forest trees have sprung into existence, and thousands of acres of young forest now bear witness to the wise, far-sighted and humane policy of the St. Paul and Pacific Railroad under the management of George L. Becker.

In March, 1873, Congress passed an act for the encouragement of forestry on the western prairies. This act was crude, and totally impracticable. Through the earnest work of a few men, Congress was induced to amend this act in 1874, so as to give more liberal terms, but it still remained beyond the ability of the very men it aimed to benefit to comply with its provisions. In the meantime the Minnesota State Forestry Association was organized (January 12th, 1876). The earnest friends of forestry in Minnesota were thus organized in a compact body, comprising many of the best minds of the State, and including a very large number of its most influential citizens.

The objects of this association, as set forth in article 2 of its constitution, are, "the encouragement and promotion of forest culture by the collection and diffusion of practical information on that subject, and by the discussion of all questions pertaining thereto; to secure the general observance of arbor day throughout the State, and to promote the ultimate redemption of the treeless region of Minnesota."

Recognizing the great importance of the objects in view, Gov. Pillsbury, in all his annual messages, has given these worthy objects his cordial indorsement to the Legislature, and thus identified himself with a work that will be gratefully remembered as wise statesmanship, long after the temporary issues of the day shall have passed from the minds of men. Realizing fully the great importance and the resulting benefits sure to accrue to the treeless region of Minnesota, the State Forestry Association, from its inception until the end was accomplished, has put forth every available effort to so amend the congressional timber culture act as to bring its provisions down to the ability of the poorest man to avail himself of its benefits. The act as now amended and in force offers a premium of 160 acres of prairie for planting ten acres of the 160 to forest timber and keeping it in a healthy, growing condition for eight years. It gives ample time to break the ground and reduce it to such a suitable degree of cultivation as will enable the tree planter to do his work in such a manner as to insure complete success in the growing of a young forest. No one Legislative act has done more to induce immigration to our treeless region than this,

and the benefits yet to result to that region from the proper administration of the congressional timber act as amended in 1878 are simply incalculable. Great credit is due to our congressional delegation for their persistent efforts in securing the desired amendments. To secure to the State the full benefit of this act, I would respectfully suggest to the Secretary of the Interior that he prepare a similar catechism for the claimants under the timber culture act as has already been prepared to correct the abuses of the homestead act. Dishonest men have already entered claims under the act, without any intention of carrying out its provisions in good faith. The premium is too magnificent to be stolen by such knaves. To those of us who have given many of our best years to the cause of forestry in Minnesota, it is gratifying to review its progress, and to know that our work has not been altogether in vain. May we not have some little reason to congratulate ourselves that the increased interest in forestry, as exhibited by the action of Gov. Pillsbury, of the Legislature of Minnesota, of the Congress of the United States, is in some small measure due to the friends of forestry in Minnesota. If so, let us renew our efforts in this direction, with undiminished energy, with the great object we have in view, "the redemption of the treeless region of Minnesota," is finally and fully accomplished. Legislation favoring and protecting the young forests is needed. Legislation looking to the preservation of our native forests is also needed. In nearly all of the European States codes of forestry form an essential part of their legislation. The knowledge and experience of the best minds, the accumulated experience of ages has been recognized and embodied for the creation, protection and general management of their forests. In the United States, this important subject is just beginning to be recognized by the general government. In the Dominion of Canada stringent legislation is now in force for the protection and preservation of her native forests.

Among the United States and Territories, California, Colorado, Connecticut, Dakota, Illinois, Iowa, Kansas, Maine, Massachusetts, Michigan, Missouri, Nebraska, Nevada, New Hampshire, New York, Vermont, and Wisconsin have enacted laws for the encouragement and perfection of tree planting. In Minnesota, we passed an act in 1871 for the encouragement of tree planting. This act is now void, having expired by its own limitation March 6th, 1876.

We also passed an act for the encouragement of tree planting February 20th, 1873. In short, while our statute books are burdened with almost every conceivable sort of legislation, there does not seem to be anything in force for the encouragement and protection of so important a matter to the state as forestry.

The acts above referred to had a beneficial influence in awakening attention to tree planting and they were undoubtedly designed to encourage it by the offer of bounties, yet through the excessive prudence of officers whose duty required them to credit and pay such bounties, the tree-planters have generally been ruled out.

The State ought to encourage tree-planting by exempting from taxation for a specified time such prairie land as may be planted in forest, or at least by exempting such property from *extra valuation by reason of forest planting*. It should also encourage tree-planting along the public highways, by allowing deductions to be made from highway taxes, or by direct bounties in money, adopting the chief features of the acts of 1871 and 1873, but avoiding the features in those acts which experience has proved erroneous.

The State should pass more stringent laws for preventing forest fires, by imposing heavy penalties for negligence, and by requiring great precautions where

fires are necessarily set in or near woodlands. These regulations should apply to the burning of fallow lands or brush, the making of charcoal, and the careless use of fire generally, where danger is possible. Additional restrictions might be laid upon railroad companies, tending to prevent accidents by fire along the line of their roads. The destruction by forest fires in some years greatly exceeds the demand for consumption of the whole country, and whatever can be done by vigilance and precaution, enforced by legal measures, should be done promptly."

In our treeless region, cases of great hardship, danger and death have occurred to settlers on their way to and from the nearest market towns. Suddenly overtaken by the driving, blinding snows and wind—with no landmarks in view to guide them—men have perished almost in sight of home and friends. The fatal results thus from time to time occurring, can be wholly prevented by planting lines of trees along the highways.

Even a line of white willow hedge, which can be planted, cultivated and protected till it is thirty feet high at a very trifling expense, would absolutely prevent a recurrence of the horrible experiences which have driven away and prevented thousands from emigrating to Minnesota. Better still, but more expensive would be the planting of a couple of rows of Scotch pine along the windward of those public highways, where danger may reasonably be expected. Plant this valuable tree eight feet apart in the rows, breaking joints; cultivate and protect four or five years, and it affords a grateful shelter for man and beast from the worst blizzard that ever carried desolation and death along its track. With such shelter and protection at suitable intervals, the never-to-be-forgotten tragedies of January, 1873, could never again occur. In an aesthetic view, nothing could be produced at so small expense to relieve the monotony of our prairies as the planting of such shelter belts on the most prominent and bleakest portions of our prairie roads.

"It is worth considering whether the State may not properly impose a *tree tax* analogous to road taxes, to be satisfied by the planting of trees along the highways, or by the payment of money to be expended in securing their planting. This in certain cases might be justified under the right of eminent domain, by which the government may require a thing to be done when the public welfare demands it. Such local benefits should be placed under the control of the local municipalities most affected by them."

The planting of an evergreen screen on the windward side of a road exposed to drifting snow might be of great and permanent service, and this should be within the power of road officers to establish and maintain.

The State may *aid* institutions of learning in establishing means of instruction in *sylviculture*, and may *require* this to be done in institutions, either wholly under its control, or those receiving appropriations from its treasury. Useful ideas imparted in the normal schools might be carried to the district schools, and through these agencies the rising generation might, in some degree, be taught the importance of this subject as regards the public welfare as well as private interests generally. The State can cause its forest resources to be explored, and its wants and capabilities to be made known, and it can cause useful information upon this subject to be published and gratuitously distributed for the information of its citizens.

The State could give additional powers to city, town, and village governments for the planting of parks and the encouragement of other improvements in their streets and suburbs, whereby a refining influence would be awakened and diffused in a manner tending to the improvement and enjoyment of its citizens,

and to the promotion of tree-culture generally. In order to secure harmony of plan and effect, such planting should be under the direction of the local governments as fully as the construction of sidewalks, or the pavement of streets. When they applied to a street, they should be in accordance with the wishes of a majority of the owners property benefitted and at the expense of the owners of the adjacent premises, without liability of interruptions through the caprice or dissent of individual owners. Examples of successful tree culture in parks and avenues cannot fail of having a tendency in favor of the practice generally, and this, if secured, leads to better results in the planting of timber belts upon farms, and in the improved appearance and condition of the whole country."

In the foregoing suggestions I have drawn liberally from Dr. Hough's very able and valuable report upon forestry, and I am much encouraged to find embodied and endorsed therein, in concise language, the very ideas I have so long promulgated by tongue and pen. And now, not wishing to occupy too much space in your valuable report, I close this paper with the closing sentences of the annual address of Hon. Ignatius Donnelly, the President of the Minnesota State Forestry Association, the first Minnesotian in Congress who did his whole duty in this direction, and who has ever since proved himself the earnest, consistent friend of forestry.

Those who have been "through the mill" will fully appreciate the following touchingly eloquent extract, one that will at once and forever rank high among the gems of American literature:

"If I was required to furnish a motto for our society it would be the one word, "perseverance." Only those who have passed through it can understand the long, hard, dark, continuous struggle which awaits the settler in a new country; the battle with nature, her cruelties and uncertainties, on the one hand; and the conflict with his fellow-man, his greed, his cunning and his rapacity on the other. The pioneer farmer seems sometimes to stand alone with everything in air and on earth making war on him; with nothing left to him but his indomitable soul. For such a man, so struggling neck-deep in distress, to plant groves, construct hedges, rear orchards and plant for posterity, requires a breadth of mind that is the highest statesmanship. And yet I would say to all such, "perseverance."

"The columns of our stately fortunes
Are sculptured with the chisel, not the axe."

Even the gigantic tides of the St. Lawrence have their ebb, and misfortunes at last grow weary of submerging their victims and draw sullenly off. And then how sweet the home, snatched like a brand from the burning, won from innumerable battlings and sheltered amid arbored beauty that shall forever increase as the days roll on. There can be no true home where there are no trees, and so I conclude with that one word for the great army of tree-planters, "perseverance."

L. B. HODGES.

CROPS AND ACREAGE OF 1877, AND ACREAGE OF 1878.

The various agricultural productions of the State will now be presented in tabulated form by counties. The tables for grain and potatoes and cultivated crops will show the acreage, quantity produced, and average yield per acre, for 1877, also the acreage devoted to the same production in 1878.

These will be preceded by the tables given in the preliminary statement of August 21st, 1878, wherein the grain and potato crops, and cultivated hay were reported as far as returns had at that time been received. Attention was called at the time to the fact of the incomplete returns from towns and counties, for which estimates were made on the best obtainable basis. The principal object in reproducing these tables here is to enable a comparison to be made with the final returns and corrections; several counties having since reported, and, in some instances, errors in minor details amended.

A classification was made of the counties in said report, to show where the destruction from the locusts had been most ruinous; which will be maintained in same order in the following.

The general result of these correlative tables will be proved by comparison to nearly coincide.

LETTER TO EDITORS.

[OFFICIAL.]

STATE OF MINNESOTA,
OFFICE OF THE SECRETARY OF STATE,
BUREAU OF STATISTICS,
ST. PAUL, August 19, 1878. }

To the Editors of Minnesota Papers:

I have the honor to herewith transmit preliminary statements of agricultural report, as required by law, which provides for the distribution and circulation of the information therein contained by requiring the commissioner to furnish to each newspaper and periodical published within the limits of the state with a copy before the third Monday in July.

It has been impossible to comply with this provision within the prescribed time, on account of the delay in reports from several important towns and counties, some of whose returns were not received until at a very recent date, while others have failed altogether, and are left blank as shown in the following statements, and has rendered it necessary to make estimates of acreage and yield of unreported towns and counties, as added to total footings in recapitulation column. These estimated amounts may be modified and corrected before publication of the general report, as more complete returns are expected from such counties.

It is to be hoped that you will make place for all the matter included in the following tables, or at least as much thereof as may relate to the interest of your readers and locality, the object and intention being to enable, especially the producers, to better watch the steady progress and development of our chief resources, and to better see and understand the aim and purpose of this system; and I trust it my help to overcome the prejudice and the obstacles encountered in many localities, and much complained of by officers collecting statistical information, and is a serious detriment to the fundamental basis of the work. To this end, should any further items of statistics pertaining to any particular crop or locality, and embraced in the general table, be desired, this department will be pleased at any time to transmit detailed statement on application.

The counties are classified into two classes; table one showing wheat, corn, barley, potatoes, with average yield per acre, and cultivated hay of counties having full crops, or were but slightly injured; also acreage of 1877 and 1878 of above named cereals and hay. Houston county suffered from the ravages of the chintz bug which has been for a long period a terror to wheat growers in our neighboring states, and the small yield per acre in that county is attributable chiefly to that cause. A few of the other counties on this table were slightly affected by the locusts.

In table two is shown, the same as in table one, of counties devastated in 1877 by the locusts. The extent and magnitude of the destruction by this terrible scourge, before their mysterious disappearance, was scarcely realized, and from the fact of the magnificent crop in the counties that escaped their ravages, and the general rejoicing occasioned by the deliverance from this pest, the public mind seemed inclined to make large estimates on the crop then being harvested. However, much as this statement may fall short of the highest estimate made on the wheat crop, it very nearly coincides with some made by practical and experienced men having full knowledge and cognizance of above stated facts. I will refer to one in particular, reported in the Pioneer-Press, August 14th, 1877, made by the Hon. Pennock Pusey, one of my accomplished predecessors, whose knowledge of the vast region devastated, and by careful observation and inquiry into the facts, and with his large experience, enabled him to form a nearly correct estimate, by placing the yield of wheat at 30,807,305 bushels for that year.

From the official returns the damage to the wheat crop in 1877 is reported at 277,320 acres and 4,772,030 bushels.

Great as the amount of losses may appear, it will still be seen that the crop of 1877 is without parallel in the history of our State, both as to quantity and quality, and proves to be as was predicted by my worthy predecessor, Hon. Mr. Metcalf, the largest ever produced in the State.

Of the 30,662,717 bushels total yield of wheat, the measurement is based upon the measure taken at the threshing machines. Owing to the superior quality it is found to exceed in weight, on total average, 63 pounds per bushel, thus making the total yield of wheat, according to weight of 60 pounds per bushel, 32,193,852 bushels.

Of the crop now being harvested, I am unable at this time to form any estimate, having nothing official except what was stated in a few of the returns concerning growing crops early in the season. Fears were expressed, especially in the southern and eastern counties, of the tendency of the enormous growth of straw to grow too rank, and rust and lodge. The very excessive hot and rainy weather setting in at that period proved very disastrous, and consequently the wheat crop in this section will be very small and of inferior grade.

Reports from the western and northern counties are more favorable to an average crop. The acreage on wheat for 1878 is reported at 2,255,961 acres, showing an increase of 436,100 acres over 1877, which increase it will be seen is largely in above named section, and will in a large measure counterbalance the small yield in the eastern and southern counties.

JOHN P. JACOBSON,

Commissioner of Statistics.

Clay, Crow Wing, Kanabeck, Lake and Renville counties have not reported.

PRELIMINARY

TABULAR STATEMENT OF COUNTIES HAVING FULL
SEASON

COUNTIES.		WHEAT.			
		1877. Bushels.	1877. Acres.	Bushels per Acre.	1878. Acres.
1	Anoka.....	57,655	3,727	15.46	5,638
2	Benton.....	37,496	1,924	19.48	3,479
3	Blue Earth.....	727,855	45,136	16.13	84,832
4	Cottonwood.....	84,742	4,440	19.08	16,797
5	Carver.....	630,157	25,547	24.60	27,219
6	Chisago.....	91,014	5,055	18.00	6,618
7	Carlton.....	226	11	20.54	27
8	Dodge.....	1,397,654	65,128	21.45	77,503
9	Dakota.....	1,721,377	98,447	17.48	104,762
10	Faribault.....	506,368	32,716	15.47	50,161
11	Fillmore.....	2,664,411	149,613	17.81	164,565
12	Freeborn.....	1,462,671	65,695	22.29	79,825
13	Goodhue.....	3,756,811	174,053	21.58	188,729
14	Houston.....	717,565	54,490	13.17	69,089
15	Hennepin.....	677,746	33,104	20.50	40,668
16	Isanti.....	82,411	4,894	16.83	7,386
17	Jackson.....	33,208	1,641	20.22	12,786
18	Lyon.....	102,685	6,460	15.89	11,546
19	Le Sueur.....	488,202	22,625	21.57	32,724
20	Morrison.....	101,843	5,143	19.80	7,434
21	Mille Lacs.....	24,378	1,340	18.19	1,694
22	Mower.....	1,476,073	75,073	19.66	91,674
23	Martin.....	28,016	1,775	15.77	7,441
24	Nobles.....	104,121	7,063	14.74	15,340
25	Olmsted.....	2,355,372	117,058	20.12	140,290
26	Polk.....	102,745	4,078	25.19	7,781
27	Ramsey.....	104,331	5,420	19.24	7,094
28	Redwood.....	112,870	7,624	14.80	19,165
29	Rock.....	259,597	16,419	15.81	25,434
30	Rice.....	1,256,541	54,514	23.05	59,556
31	Scott.....	617,978	28,286	21.85	30,274
32	Sibley.....	205,262	12,589	16.30	38,157
33	St. Louis.....	740	49	15.10	56
34	Steele.....	1,344,738	56,529	23.78	62,332
35	Winona.....	1,519,509	86,380	17.59	98,729
36	Waseca.....	913,044	45,551	20.60	51,948
37	Wright.....	299,926	19,933	15.04	28,758
38	Wabasha.....	1,632,163	87,579	18.63	94,255
39	Washington.....	720,234	37,882	19.01	45,382
40	Wadena.....	6,782	306	22.16	1,218
Totals—Table 1.....		28,325,405	1,465,297	19.33	1,729,857

TABLES.

CROP, OR WERE BUT SLIGHTLY INJURED DURING OF 1877.

	OATS.				CORN.			
	1877. Bushels.	1878. Acres.	Bushels per Acre.	1878. Acres.	1877. Bushels.	1877. Acres.	Bushels per Acre.	1878. Acres.
1	40,676	1,489	27.31	1,664	61,370	4,024	15.02	2,552
2	31,695	1,027	30.79	1,115	22,193	943	23.53	915
3	494,758	17,008	29.08	19,864	405,171	21,703	18.66	15,632
4	43,588	1,157	37.67	3,423	2,883	49,214	17.07	1,852
5	226,900	5,344	42.34	5,497	171,668	5,928	28.95	6,343
6	76,903	2,558	30.06	2,539	29,458	1,481	19.89	1,404
7	985	37	26.62	58	225	7	33.57	7
8	561,447	13,762	40.79	13,947	184,026	5,966	30.84	5,639
9	679,710	17,866	38.04	17,411	347,571	16,944	20.51	17,411
10	435,858	13,978	31.18	16,494	497,314	18,714	26.57	14,372
11	1,126,880	32,633	34.53	33,120	735,381	11,979	31.18	20,742
12	592,608	15,167	39.07	15,271	602,596	12,371	48.71	10,183
13	1,312,136	29,468	44.52	30,437	529,332	15,394	34.38	15,993
14	487,651	13,015	37.45	13,323	557,449	18,424	30.25	18,006
15	354,105	10,929	32.40	10,520	339,726	16,973	20.01	15,577
16	48,307	1,614	29.93	1,751	37,770	2,080	18.15	1,896
17	66,005	1,435	45.33	4,137	77,623	3,954	19.63	2,404
18	31,378	12,143	25.82	2,060	28,878	2,103	13.72	1,271
19	238,557	6,849	34.60	10,116	386,457	13,571	28.47	14,992
20	78,887	2,336	33.38	2,930	22,496	1,068	21.06	1,079
21	26,942	767	35.12	788	14,000	602	23.25	572
22	571,165	16,520	35.48	17,328	186,862	7,630	24.46	6,185
23	62,117	2,423	25.63	6,595	134,967	6,052	25.63	6,165
24	49,973	1,242	40.23	4,035	46,119	2,144	21.51	2,366
25	885,176	22,110	40.13	23,501	407,022	11,658	34.91	12,209
26	36,959	735	50.28	1,465	332	13	25.53	16
27	65,529	2,116	29.55	2,061	34,345	1,325	25.91	1,625
28	36,551	1,448	25.24	3,585	48,018	5,137	9.34	2,685
29	91,904	2,486	36.97	4,721	41,366	2,466	16.77	2,095
30	355,242	9,859	36.02	10,577	232,631	7,355	21.30	7,829
31	22,064	5,561	39.85	5,656	171,448	6,535	26.21	6,241
32	311,383	10,658	29.20	8,770	115,856	7,623	16.50	5,929
33	683	42	16.23	48	.....	.....	.....	.....
34	440,977	10,139	43.49	10,703	289,796	7,888	36.75	7,178
35	603,137	16,420	36.12	16,917	384,170	11,977	32.07	12,944
36	343,599	9,110	37.71	8,964	208,861	6,220	33.57	5,994
37	149,541	4,813	31.06	5,487	171,162	7,999	21.34	8,071
38	749,678	18,396	40.75	17,747	387,008	12,636	30.63	12,596
39	324,345	8,891	36.48	8,700	165,558	7,252	22.83	7,271
40	4,651	53	.....	258	1,210	39	31.02	53
	12,059,950	346,622	34.78	363,583	8,080,328	344,392	23.40	273,42

PRELIMINARY

TABULAR STATEMENT OF COUNTIES HAVING FULL
SEASON

COUNTIES.	BARLEY.			
	1877. Bushels.	1877. Acres.	Bushels per acre.	1878. Acres.
1 Anoka.....	1,288	58	22.20	23
2 Benton.....	1,230	41	20.00	42
3 Blue Earth.....	35,823	1,705	21.00	1,594
4 Cottonwood.....	22,294	956	23.32	837
5 Carver.....	38,575	1,242	31.05	918
6 Chisago.....	5,841	275	31.24	230
7 Carlton.....	22	1	22.00	3
8 Dodge.....	149,351	4,882	30.59	773
9 Dakota.....	61,059	2,241	27.24	1,479
10 Faribault.....	34,905	1,722	20.27	1,668
11 Fillmore.....	167,588	7,054	23.75	4,181
12 Freeborn.....	77,556	2,686	28.26	1,721
13 Goodhue.....	267,650	8,468	31.60	5,575
14 Houston.....	44,393	1,792	24.77	1,271
15 Hennepin.....	11,907	344	34.61	281
16 Isanti.....	1,645	79	20.40	59
17 Jackson.....	13,793	522	26.25	726
18 Lyon.....	5,935	335	17.71	305
19 Le Sueur.....	17,017	641	26.54	784
20 Morrison.....	8,315	136	16.13	188
21 Mille Laes.....	148	5	29.60	22
22 Mower.....	177,758	5,513	32.24	4,001
23 Martin.....	3,690	221	16.70	777
24 Nobles.....	33,355	1,478	22.56	939
25 Olmsted.....	310,323	10,948	28.34	6,771
26 Polk.....	5,529	198	29.25	307
27 Ramsey.....	7,864	261	31.30	143
28 Redwood.....	18,174	784	23.18	691
29 Rock.....	47,797	2,191	21.81	1,752
30 Rice.....	18,366	598	30.71	542
31 Scott.....	10,264	336	30.54	186
32 Sibley.....	6,241	590	10.57	1,024
33 St. Louis.....	485	25	19.40	32
34 Steele.....	26,843	1,147	32.12	760
35 Winona.....	121,015	4,595	26.33	2,857
36 Waseca.....	33,930	1,003	33.82	605
37 Wright.....	8,555	330	25.95	239
38 Wabasha.....	261,049	8,870	29.44	6,225
39 Washington.....	85,881	3,011	28.52	1,849
40 Wadena.....	1,931	83	23.38	56
Totals—Table 1.....	2,157,165	76,623	28.15	54,436

TABLES.

CROP, OR WERE BUT SLIGHTLY INJURED DURING
OF 1877.—Continued.

	POTATOES.				CULTIVATED HAY,	
	1877. Bushels.	1877. Acres.	Bushels per acre.	1878. Acres.	1877. Acres.	1878. Acres.
1	37,565	501	74.98	531	361	231
2	18,160	176	103.18	192	56	50
3	72,042	1,273	56.50	1,126	2,382	2,010
4	18,227	278	65.56	366	21	27
5	61,459	1,008	60.97	994	367	425
6	41,128	540	76.16	528	1,594	1,480
7	4,780	26	191.53	27	62	75
8	47,177	543	86.88	406	4,352	3,305
9	104,747	1,300	80.57	1,433	6,682	6,303
10	34,118	531	64.25	669	1,063	1,106
11	106,328	1,080	97.61	1,207	15,907	13,344
12	58,152	720	80.76	808	713	1,342
13	108,568	1,120	96.84	1,113	10,725	10,997
14	71,385	685	104.21	772	8,793	9,449
15	172,308	2,032	85.21	2,385	5,244	4,032
16	85,767	417	85.77	411	292	256
17	18,681	278	67.19	308	55	73
18	9,192	178	51.64	161	1	13
19	8,642	171	50.53	1,427	1,742	1,859
20	23,039	268	85.96	270	18	19
21	10,655	83	129.58	100	19	29
22	43,738	562	79.60	844	4,651	4,831
23	27,145	297	84.66	375	287	287
24	14,419	177	81.46	241	164	356
25	95,778	820	106.80	946	9,093	11,270
26	9,668	84	115.10	132	2	4
27	45,796	546	83.87	644	1,538	1,477
28	14,369	244	58.88	272	20	26
29	7,592	118	64.33	173	184	291
30	75,287	806	93.40	762	3,170	3,150
31	67,825	854	67.71	965	1,394	461
32	45,073	915	59.09	881	32	36
33	4,115	51	80.68	64	122	148
34	51,970	569	91.17	546	979	1,093
35	82,660	862	96.00	615	11,242	11,765
36	40,216	469	85.74	527	298	290
37	66,526	757	87.88	819	1,907	1,039
38	61,280	600	103.13	713	7,360	7,252
39	66,864	705	94.30	832	6,581	7,028
40	3,948	30	131.60	67	.....	.....
1,885,390		22,569	83.45	24,893	109,473	117,298

PRELIMINARY

TABLE NO. 2—TABULAR STATEMENT OF COUN-

	COUNTIES.	WHEAT.			
		1877. Bushels.	1877. Acres.	Bushels per acre.	1878. Acres.
1	Brown.....	122,608	14,138	8.67	43,964
2	Becker.....	53,225	6,489	8.35	7,999
3	Chippewa.....	46,868	15,117	3.01	19,951
4	Douglas.....	88,602	19,994	4.44	22,846
5	Grant.....	66,435	6,338	10.47	9,122
6	Kandiyohi.....	43,347	38,371	1.12	47,588
7	Lac qui Parle.....	51,016	9,321	5.47	12,216
8	Lincoln.....	16,630	1,414	11.76	2,506
9	Meeker.....	241,895	35,686	6.77	41,484
10	McLeod.....	196,827	23,694	8.30	31,001
11	Nicollet.....	49,148	8,708	5.64	52,203
12	Otter Tail.....	358,796	33,707	10.64	44,298
13	Pope.....	76,258	20,142	3.78	25,004
14	Swift.....	95,244	16,240	5.86	22,753
15	Stevens.....	57,260	7,170	6.08	15,958
16	Stearns.....	143,819	48,729	2.95	59,686
17	Todd.....	64,258	6,692	9.60	8,674
18	Wilkin.....	19,826	1,749	11.33	2,351
19	Watonwan.....	50,188	3,792	13.23	16,924
20	Yellow Medicine.....	108,959	12,453	8.74	16,563
Totals tables No. 2....		1,951,217	331,591	5.88	503,131
Table No. 1.....		28,325,405	1,465,297	19.33	1,729,857
Table No. 2.....		1,951,217	331,591	5.88	503,131
Unreported towns and counties, estimate.....		386,095	22,973	.....	22,973
Total yield and gen'l aver- age at 63 lbs. per bushel machine measures.....		30,662,717	1,819,861	16.85	2,255,961
Total yield according to weight.....		32,193,852			

TABLES.

TIES DEVASTATED BY GRASSHOPPERS IN 1877.

	OATS.				CORN.			
	1877. Bushels.	1877. Acres.	Bushels per acre.	1878. Acres.	1877. Bushels.	1877. Acres.	Bushels per acre.	1878. Acres.
1	10,626	4,890	20.98	8,561	151,639	14,282	10.62	6,692
2	32,948	960	34.82	1,470	4,806	212	22.67	110
3	23,550	2,206	10.60	3,188	14,172	2,806	5.05	1,958
4	84,559	4,211	20.75	5,393	20,373	2,225	9.15	1,707
5	27,913	1,023	27.28	1,793	2,213	228	9.70	130
6	49,464	6,565	7.53	7,526	9,842	3,112	3.16	2,560
7	15,784	956	16.54	1,834	14,140	1,774	7.97	1,211
8	7,568	243	31.14	486	2,840	177	16.04	156
9	137,166	7,357	18.64	7,756	70,444	5,172	13.61	3,828
10	159,875	6,180	25.86	6,549	105,765	6,732	15.70	4,838
11	188,044	10,986	17.11	10,667	135,303	11,757	11.51	6,385
12	165,899	6,252	26.54	7,881	36,090	2,688	13.42	1,848
13	62,055	3,800	16.33	5,794	14,070	1,981	7.10	1,453
14	35,117	2,345	14.97	3,504	17,119	1,810	9.45	1,199
15	31,916	1,419	22.49	3,509	1,424	139	10.24	180
16	175,805	15,811	11.11	16,162	86,032	9,870	8.71	8,964
17	32,619	1,707	19.10	2,188	14,569	1,231	11.83	1,034
18	11,150	303	36.46	399	543	17	32.00	26
19	54,999	2,066	26.58	4,291	13,951	6,634	17.02	4,165
20	27,445	1,680	16.36	2,578	29,016	2,583	11.22	1,348
	1,334,432	80,960	16.48	101,423	865,301	75,430	11.47	49,772
	12,059,950	346,622	34.78	363,583	8,080,328	344,392	23.46	273,422
	1,334,432	80,960	16.48	101,423	865,301	75,430	11.47	49,773
	447,404	14,352	.....	14,352	717,038	33,648	.....	33,648
	13,841,786	441,934	31.31	479,358	9,662,667	453,470	21.31	356,843

PRELIMINARY

TABLE NO. 2—TABULAR STATEMENT OF COUNTIES

	COUNTIES.	BARLEY.			
		1877. Bushels.	1877. Acres.	Bushels per acre.	1878. Acres.
1	Brown.....	1,091	130	9.20	367
2	Becker.....	3,377	163	20.10	332
3	Chippewa.....	517	215	2.40	152
4	Douglas.....	2,970	563	5.27	419
5	Grant.....	1,290	70	18.16	89
6	Kandiyohi.....	482	354	1.36	176
7	Lac qui Parle.....	637	84	7.58	129
8	Lincoln.....	6,328	219	28.89	116
9	Meeker.....	6,157	707	8.70	438
10	McLeod.....	7,603	1,237	6.14	455
11	Nicollet.....	2,231	338	6.30	879
12	Otter Tail.....	12,869	631	20.39	699
13	Pope.....	993	146	6.80	205
14	Swift.....	2,758	354	7.80	314
15	Stevens.....	189	36	5.22	182
16	Stearns.....	3,840	993	3.66	707
17	Todd.....	1,477	131	11.28	74
18	Wilkin.....	1,287	63	20.42	140
19	Watonwan.....	1,574	142	11.08	270
20	Yellow Medicine.....	747	84	8.89	118
Totals table No. 2...		58,408	6,660	8.77	6,255
Table No. 1.....		2,157,165	76,623	28.15	54,436
Table No. 2.....		58,408	6,660	8.77	6,255
Unreported towns and counties, estimate...		250,202	9,406	.....	9,406
Total yield and gen- eral average.....		2,465,775	92,689	26.60	70,097

TABLES.

DEVASTATED BY GRASSHOPPERS IN 1877.—Continued.

	POTATOES.				CULTIVATED HAY.	
	1877. Bushels.	1877. Acres.	Bushels per acre.	1878. Acres.	1877. Acres.	1878. Acres.
1	29,158	697	41.83	624	23	112
2	29,591	275	107.60	229	123	117
3	4,155	199	20.87	166	2	2
4	34,971	582	60.08	576	213	194
5	7,392	103	71.18	105	25	11
6	8,395	404	20.78	376	85	2
7	4,526	106	42.69	113	6	7
8	5,321	67	79.41	76	.....	.....
9	28,815	539	53.46	513	212	101
0	40,356	969	41.64	684	245	98
11	62,006	899	68.86	889	5	58
12	67,524	853	79.16	749	154	231
13	13,580	334	30.65	344	11	35
14	8,337	269	32.37	309	.....	8
15	6,408	98	65.38	131	.....	12
16	74,223	1,564	47.42	1,468	679	679
17	27,236	387	70.38	389	121	243
18	4,336	38	1.14	45	.....	3
19	14,771	321	46.01	363	417	358
20	5,453	164	33.25	161	.....	25
	476,554	8,865	53.76	8,310	2,421	2,296
	1,885,390	22,569	83.45	24,893	109,437	117,298
	476,554	8,865	53.76	8,310	2,421	2,296
	338,896	4,509	.....	4,509	2,035	2,035
	2,700,840	35,943	75.16	37,622	113,929	121,629

*Wheat Crop of Minnesota for 1877, and Acreage of 1878, by
Counties.*

COUNTIES.	1877.			1878.
	Acres.	Bushels.	Average per acre.	Acres.
Anoka.....	3,727	57,655	15.46	5,638
Becker.....	6,489	53,225	8.35	7,999
Benton.....	1,924	37,496	19.48	3,479
*Big Stone.....	2,274	22,740	10.00	2,274
Blue Earth.....	45,136	727,855	16.35	84,832
Brown.....	14,138	122,608	8.67	43,904
Carver.....	25,547	630,157	24.60	27,219
Chippewa.....	15,117	46,863	3.01	19,951
Chisago.....	5,055	91,014	18.00	6,618
*Clay.....	3,720	62,982	16.85	3,720
Cottonwood.....	4,440	84,742	19.08	16,797
Carlton.....	11	226	20.54	27
*Crow Wing.....	47	591	16.85	47
Dakota.....	98,447	1,721,377	17.48	104,762
Dodge.....	65,728	1,397,654	21.45	77,503
Douglas.....	19,944	88,602	4.44	22,846
Fairbault.....	32,716	506,368	15.47	50,161
Fillmore.....	149,613	2,664,411	17.81	163,765
Freeborn.....	65,685	1,462,671	22.29	79,825
Goodhue.....	174,053	3,766,811	21.58	188,729
Grant.....	6,338	66,435	10.47	9,122
Hennepin.....	33,104	677,746	20.50	40,668
Houston.....	54,490	717,565	13.17	59,089
Isanti.....	4,894	82,411	16.83	7,386
Jackson.....	1,641	33,208	20.22	12,787
Kanabec.....	167	1,712	10.24	339
Kandiyohi.....	38,371	43,347	1.12	47,588
Lac qui Parle.....	9,321	51,016	5.47	12,216
Lake.....				1
LeSueur.....	22,625	488,202	21.51	32,724
Lincoln.....	1,414	16,630	11.76	2,506
Lyon.....	8,030	132,079	16.40	14,952
McLeod.....	23,694	196,827	8.30	31,001
Martin.....	1,775	28,016	15.77	7,441
Meeker.....	35,686	241,895	6.77	41,484
Mille Lacs.....	1,340	24,378	18.19	1,694
Morrison.....	5,143	101,838	19.80	7,434
Mower.....	75,673	1,476,073	19.66	91,674
Murray.....	2,126	42,112	19.81	5,448
Nicollet.....	8,708	49,148	5.64	52,203
Nobles.....	7,063	104,121	14.74	15,340
Olmsted.....	117,058	2,355,372	20.12	140,290
Otter Tail.....	33,707	358,9.6	10.64	44,298
Polk.....	4,078	102,745	25.19	7,781
Pope.....	20,142	76,258	3.78	25,044
Ramsey.....	5,420	104,331	19.24	7,094
Redwood.....	7,624	112,870	14.80	19,165
Renville.....	19,572	133,030	6.79	34,228
Rice.....	64,514	1,256,541	23.05	59,556
Rock.....	16,419	259,597	15.81	25,434
Scott.....	28,286	617,978	21.85	30,274
Sherburne.....	1,900	25,087	13.23	4,383
Sibley.....	12,589	205,262	.....	38,157
Stearns.....	48,729	143,819	2.95	59,686
Steele.....	56,529	1,344,738	23.78	62,332
Stevens.....	9,170	57,260	6.02	15,958
St. Louis.....	49	740	15.10	56
Swift.....	16,240	95,244	5.86	22,753
Todd.....	6,692	64,258	9.60	8,674
Wabasha.....	87,579	1,632,163	18.63	94,255
Wadena.....	306	6,782	.....	1,218
Waseca.....	45,551	913,644	20.60	51,948
Washington.....	37,882	720,234	19.01	45,382
Watsonwan.....	3,792	50,188	13.23	16,924
Wilkin.....	1,749	19,826	11.33	2,351
Winona.....	86,380	1,519,509	17.59	98,259
Wright.....	19,933	299,926	15.04	28,758
Yellow Medicine.....	12,453	108,959	8.74	16,563
Totals.....	1,829,167	30,693,969	16.79	2,364,044

Oat Crop of Minnesota for 1877 and Acreage of 1878, by Counties.

COUNTIES.	1877.			1878.
	Acres.	Bushels.	Average per acre.	Acres.
Anoka.....	1,489	40,676	27.31	1,664
Becker.....	960	32,948	34.32	1,470
Benton.....	1,026	31,595	30.79	1,115
*Big Stone.....	576	17,458	30.31	576
Blue Earth.....	17,009	494,758	29.08	19,865
Brown.....	4,890	102,626	20.98	8,561
Carver.....	5,344	226,300	42.32	5,497
Chippewa.....	2,206	23,550	10.60	3,188
Chisago.....	2,558	76,903	30.06	2,539
*Clay.....	691	20,944	30.31	691
Cottonwood.....	1,157	43,588	37.67	3,423
Carlton.....	37	985	26.62	58
*Crow Wing.....	183	5,036	30.31	183
Dakota.....	17,868	679,710	38.04	17,411
Dodge.....	13,762	561,447	40.79	13,947
Douglas.....	4,212	84,559	20.75	5,396
Faribault.....	13,978	435,858	31.18	16,494
Fillmore.....	32,633	1,126,880	34.53	33,120
Freeborn.....	15,167	592,608	39.07	15,271
Goodhue.....	29,468	1,312,136	44.52	30,437
Grant.....	1,023	27,913	27.28	1,793
Hennepin.....	10,929	354,105	32.40	10,520
Houston.....	13,016	487,651	37.46	13,323
Isanti.....	1,614	48,307	29.93	1,751
Jackson.....	1,456	66,005	45.33	4,137
Kanabec.....	113	2,577	22.80	139
Kandiyohi.....	6,565	49,464	7.53	7,526
Lac qui Parle.....	956	15,784	16.54	1,834
Lake.....	8	292	36.50	10
LeSeuer.....	6,894	238,557	34.60	10,116
Lincoln.....	243	7,563	31.14	486
Lyon.....	1,537	42,642	27.74	2,770
McLeod.....	6,180	159,875	25.86	6,540
Martin.....	2,423	62,117	25.64	6,595
Meeker.....	7,357	137,166	18.64	7,757
Mille Lacs.....	767	26,942	35.12	788
Morrison.....	2,336	78,887	33.38	2,930
Mower.....	16,520	571,165	35.48	17,328
Murray.....	479	1,759	35.82	1,308
Nicollet.....	10,986	188,044	17.11	10,667
Nobles.....	1,248	49,973	40.23	4,035
Olmsted.....	22,110	885,176	40.03	23,501
Otter Tail.....	6,252	165,899	26.54	7,881
Polk.....	735	36,959	50.28	14,465
Pope.....	3,800	62,055	16.33	5,794
Ramsey.....	2,116	62,529	29.55	2,061
Redwood.....	1,448	36,551	25.24	6,182
Renville.....	2,974	59,041	19.51	3,585
Rice.....	9,859	355,242	36.02	10,577
Rock.....	2,486	91,904	36.97	4,721
Scott.....	5,561	220,621	39.85	5,656
Sherburne.....	752	18,591	24.22	1,387
Sibley.....	10,658	311,283	.....	8,770
Stearns.....	15,811	175,805	11.11	16,162
Steele.....	10,139	440,977	43.49	10,703
Stevens.....	1,419	31,916	22.49	3,509
St. Louis.....	42	682	16.23	48
Swift.....	2,345	35,117	14.97	3,504
Todd.....	1,707	32,619	19.10	2,188
Wabasha.....	18,396	749,678	40.75	17,747
Wadena.....	53	4,651	87.75	259
Waseca.....	9,109	343,599	37.71	8,964
Washington.....	8,891	324,545	36.48	8,700
Watsonwan.....	2,066	54,929	26.58	4,292
Wilkin.....	303	11,150	36.46	399
Winona.....	16,420	603,137	36.12	1,617
Wright.....	4,813	149,541	31.06	5,487
Yellow Medicine.....	1,680	27,445	16.38	2,578
Totals.....	419,903	13,819,630	32.19	473,986

Corn Crop of Minnesota for 1877, and Acreage of 1878, by Counties.

COUNTIES.	1877.			1878.
	Acres.	Bushels.	Average per acre.	Acres.
Anoka.....	4,024	61,370	15.02	3,555
Becker.....	212	4,806	22.67	110
Benton.....	943	22,193	23.53	911
*Big Stone.....	200	4,262	21.31	200
Blue Earth.....	21,703	405,171	18.66	15,635
Brown.....	14,282	151,693	10.62	6,692
Carver.....	5,928	171,668	28.93	6,343
Chippewa.....	2,806	14,172	5.05	1,958
Chisago.....	1,481	29,458	19.89	1,404
*Clay.....	21	447	21.31	21
Cottonwood.....	2,883	49,214	17.07	1,852
*Crow Wing.....	71	1,513	21.31	71
Carlton.....	7	235	33.57	7
Dakota.....	16,944	347,571	20.51	13,450
Dodge.....	5,966	184,026	30.84	5,639
Douglas.....	2,225	20,373	9.15	1,707
Faribault.....	18,714	497,314	26.57	14,372
Fillmore.....	21,979	735,381	31.18	20,742
Freeborn.....	12,371	602,596	48.71	10,183
Goodhue.....	15,394	529,332	34.38	15,993
Grant.....	228	2,213	9.70	130
Hennepin.....	16,974	339,726	20.01	15,557
Houston.....	18,424	557,449	30.25	18,006
Isanti.....	2,080	37,770	18.15	1,896
Jackson.....	3,954	77,623	19.63	2,404
Kanabec.....	47	775	16.49	34
Kandiyohi.....	3,112	9,842	3.16	2,560
Lac qui Parle.....	1,174	14,140	7.97	1,211
Lake.....				
Le Sueur.....	13,571	386,457	28.47	14,992
Lincoln.....	177	2,840	16.94	156
Lyon.....	2,687	39,730	14.82	1,610
McLeod.....	6,732	106,765	15.70	4,838
Martin.....	6,052	134,967	22.30	6,165
Meeker.....	5,172	70,444	13.61	3,828
Mille Lacs.....	602	14,000	23.25	572
Morrison.....	1,068	22,496	21.06	1,079
Mower.....	7,638	186,862	24.46	6,185
Murray.....	1,190	20,516	17.24	852
Nicolet.....	11,757	135,303	11.51	6,338
Nobles.....	2,144	46,119	21.15	2,306
Olmsted.....	11,658	407,022	34.91	12,209
Otter Tail.....	2,688	36,090	13.42	1,848
Polk.....	13	332	25.43	16
Pope.....	1,981	14,070	7.10	1,433
Ramsey.....	1,325	34,345	25.91	1,625
Renville.....	7,656	76,969	10.05	4,701
Redwood.....	5,137	48,018	9.34	2,685
Rice.....	7,355	232,631	21.30	7,829
Rock.....	2,466	41,366	16.77	2,095
Scott.....	6,535	171,448	26.21	6,241
Sherburne.....	4,439	54,565	12.31	4,132
Sibley.....	7,623	125,856	.....	5,929
Stearns.....	9,870	86,032	8.71	8,694
Steele.....	7,888	289,796	36.75	7,178
Stevens.....	139	1,424	10.24	180
St. Louis.....				
Swift.....	1,810	17,119	9.45	1,199
Todd.....	1,231	14,569	11.83	1,034
Wabasha.....	12,636	387,008	30.63	12,596
Wadena.....	39	1,210	30.25	53
Waseca.....	6,220	208,861	33.57	5,994
Washington.....	7,252	165,558	22.83	7,271
Watsonwan.....	6,634	113,951	17.02	4,165
Wilkin.....	17	543	32.00	26
Winona.....	11,977	384,170	32.07	12,944
Wright.....	7,999	171,162	21.34	8,071
Yellow Medicine.....	2,583	29,016	11.23	1,348
Totals.....	388,708	9,151,231	23.49	342,137

*Barley Crop of Minnesota for 1877, and Acreage of 1878, by
Counties.*

COUNTIES.	1877.			1878.
	Acres.	Bushels.	Average per acre.	Acres.
Anoka.....	58	1,288	22.20	23
Becker.....	163	3,377	20.10	332
Benton.....	41	1,230	30.00	49
*Big Stone.....	59	1,569	26.60	59
Blue Earth.....	1,705	35,823	21.00	1,594
Brown.....	130	1,197	9.00	367
Carver.....	1,242	38,575	31.05	918
Chippewa.....	215	517	2.40	152
Chisago.....	275	5,841	21.21	230
*Clay.....	67	1,782	25.60	67
Cottonwood.....	956	22,294	23.32	837
Carlton.....	1	22	22.00	3
Crow Wing.....				
Dakota.....	2,241	61,059	27.24	1,479
Dodge.....	4,882	149,351	30.59	2,773
Douglas.....	563	2,970	5.27	419
Faribault.....	1,722	34,905	20.27	1,668
Fillmore.....	7,054	167,588	23.75	4,181
Freeborn.....	2,687	77,556	28.86	1,721
Goodhue.....	8,468	267,650	31.60	5,575
Grant.....	70	1,290	18.16	89
Hennepin.....	344	11,907	34.61	281
Houston.....	1,792	44,393	24.77	1,271
Isanti.....	79	1,615	20.40	59
Jackson.....	522	13,704	26.25	726
Kanabec.....	41 ¹ / ₂	134	33.50	17
Kandiyohi.....	354	483	1.36	176
Lac qui Parle.....	84	637	7.58	129
Lake.....	6	139	23.66	7
Le Sueur.....	641	17,017	26.54	784
Lincoln.....	219	6,328	28.89	116
Lyon.....	543	16,626	19.64	441
McLeod.....	1,237	7,603	6.14	455
Martin.....	221	3,690	16.70	777
Meeker.....	708	6,157	7.08	434
Mille Lacs.....	5	5,148	29.60	22
Morrison.....	136	8,315	16.13	184
Mower.....	5,513	177,758	32.24	4,001
Murray.....	704	16,380	23.21	430
Nicollet.....	338	2,231	6.30	879
Nobles.....	1,478	33,355	22.56	939
Olmsted.....	10,948	310,223	28.34	6,771
Otter Tail.....	631	12,869	20.39	699
Polk.....	198	5,529	29.25	307
Pope.....	146	993	6.80	205
Ramsey.....	261	7,864	31.30	143
Redwood.....	784	18,174	23.18	691
Renville.....	141	1,008	7.14	212
Rice.....	598	18,366	30.71	542
Rock.....	2,191	47,799	21.81	1,752
Scott.....	336	10,264	30.54	186
Sherburne.....	21	255	12.14	15
Sibley.....	590	6,241	.....	1,024
Stearns.....	993	3,840	3.66	707
Steele.....	1,147	36,843	32.12	760
Stevens.....	36	189	5.22	182
St. Louis.....	25	485	19.40	32
Swift.....	354	2,758	7.80	314
Todd.....	131	1,477	11.28	74
Wabasha.....	8,870	261,049	39.49	6,225
Wadena.....	83	1,931	23.25	56
Waseca.....	1,003	33,930	33.82	605
Washington.....	3,011	85,881	28.52	1,849
Watsonwan.....	142	1,574	11.08	270
Wilkin.....	63	1,287	20.42	140
Winona.....	4,595	121,015	26.33	2,858
Wright.....	330	8,555	25.95	239
Yellow Medicine.....	85	747	8.89	119
Total.....	79,334	2,239,650	26.37	61,645

Buckwheat Crop of Minnesota for 1877, and Acreage for 1878, by Counties.

COUNTIES.	1877.			1878.
	Acres.	Bushels.	Average per acre.	Acres.
Anoka.....	323	2,218	6.86	280
Becker.....	87	1,561	17.94	40
Benton.....	18	141	7.84	22
Big Stone.....				
Blue Earth.....	303	4,236	14	46
Brown.....	31	405	13.06	21
Carver.....	23	348	15.13	12
Chippewa.....	22	101	4.59	24
Chisago.....	19	168	8.84	9
Clay.....				
Cottonwood.....	45	511	11.33	15
Carlton.....				
Crow Wing.....				
Dakota.....	86	843	9.80	44
Dodge.....	371	5,373	14.48	120
Douglas.....	82	282	3.43	88
Faribault.....	95	2,861	30.11	73
Fillmore.....	468	5,860	12.50	302
Freeborn.....	109	1,217	11.16	65
Goodhue.....	112	1,640	14.65	48
Grant.....	4	30	7.50	6
Hennepin.....	141	1,255	8.90	72
Houston.....	180	2,532	14.06	95
Isant.....	39	181	4.64	15
Jackson.....	121	1,324	10.94	61
Kanabec.....	8	81	10.11	12
Kandiyohi.....	26	42	1.69	12
Lac qui Parle.....	35	159	4.54	26
Lake.....				
Le Seuer.....	67	940	14.03	108
Lincoln.....	64	640	10	16
Lyon.....	52	402	7.71	35
McLeod.....	218	2,212	10.14	54
Martin.....	557	9,213	16.54	293
Meeker.....	40	95	2.43	51
Mille Lacs.....	15	108	7.20	17
Morrison.....	17	245	14.41	64
Mower.....	367	5,325	14.50	147
Murray.....	75	569	7.58	39
Nicollet.....	108	2,073	19.18	16
Nobles.....	165	2,004	12.14	165
Olmsted.....	246	3,132	12.73	71
Otter Tail.....	74	1,999	13.50	69
Polk.....	9	44		32
Pope.....	35	130	3.71	44
Ramsey.....	21	211	10.05	38
Renville.....	51	133	2.32	41
Redwood.....	257	598	2.60	52
Rice.....	146	1,654	11.32	64
Rock.....	6	60	10	18
Scott.....	36	470	13.61	19
Sherburne.....	169	1,180	6.98	78
Sibley.....	183	3,309		35
Stearns.....	107	596	5.51	93
Steele.....	108	1,163	10.76	50
Stevens.....	6			8
St. Louis.....				
Swift.....	43	15		10
Todd.....	30	155	5.16	65
Wabasha.....	84	1,082	12.88	42
Wadena.....	2	16	8	9
Waseca.....	22	325	14.77	33
Washington.....	23	340	14.78	14
Wantonwan.....	116	1,427	12.30	22
Wilkin.....	10	10	1	2
Winona.....	345	4,949	14.34	194
Wright.....	36	244	6.77	50
Yellow Medicine.....	8	15	1.87	23
Total.....	6,665	79,448	11.67	3,689

Rye Crop of Minnesota for 1877, and Acreage of 1878, by Counties.

COUNTIES.	1877.			1878.
	Acres.	Bushels.	Average per acre.	Acres.
Anoka.....	491	6,401	13.03	928
Becker.....	16	150	9.37	14
Benton.....	130	2,362	18.16	193
Big Stone.....				
Blue Earth.....	291	3,926	13.48	317
Brown.....	154	1,122	7.28	178
Carver.....	274	6,887	25.13	199
Chippewa.....	3	2		4
Chisago.....	448	7,015	15.68	472
Clay.....				
Cottonwood.....	80	1,316	16.45	160
Crow Wing.....				
Carlton.....				1
Dakota.....	41	645	15.23	83
Dodge.....	34	515	15.14	26
Douglas.....	158	1,999	12.65	302
Faribault.....	12	194	16.18	113
Fillmore.....	45	762	16.71	65
Freeborn.....	30	603	20.10	79
Goodhue.....	29	486	16.75	54
Grant.....				1
Hennepin.....	617	9,657	10.78	608
Houston.....	222	3,460	15.51	422
Isanti.....	524	8,131	15.51	750
Jackson.....	16	300	18.75	73
Kanabec.....	4	89	22.25	10
Kandiyohi.....	24	61	2.54	51
Lac qui Parle.....	19	73	3.84	17
Lake.....				
Le Seuer.....	152	2,880	18.94	482
Lincoln.....				1
Lyons.....	4	71	17.70	26
McLeod.....	165	2,686	16.27	148
Martin.....	25	485	19.40	53
Meeker.....	97	1,604	16.53	200
Mille Lacs.....	68	814	11.82	99
Morrison.....	283	5,083	17.96	493
Mower.....	91	810	8.89	177
Murray.....	5	140	35.00	4
Nicollet.....	48	515	2.80	136
Nobles.....	15	288	19.20	92
Olmsted.....	20	147	7.30	5
Otter Tail.....	175	2,642	15.09	536
Polk.....				5
Pope.....	30	155	5.16	43
Ramsey.....	89	1,107	12.43	75
Renville.....	12	35	5.00	24
Redwood.....	7	165	21.91	35
Rice.....	72	1,235	17.15	60
Rock.....	40	971	24.77	297
Scott.....	279	4,339	15.55	322
Sherburne.....	616	5,295	8.59	983
Sibley.....	203	3,387		62
Stearns.....	1,326	14,053	10.60	1,874
Steele.....	6	81	13.50	8
Stevens.....	1½	13	8.00	8
St. Louis.....	24		12.87	41
Swift.....	12	69	5.75	62
Todd.....	998	14,547	14.56	1,353
Wabasha.....	12	224	18.60	27
Wadena.....	34	714	20.00	94
Waseca.....	39	529	13.56	22
Washington.....	179	4,437	24.79	18
Watsonwan.....	24	313	13.04	77
Wilkin.....				
Winona.....	64	1,053	16.45	141
Wright.....	325	4,998	15.37	456
Yellow Medicine.....				
Total.....	9,202	152,041	14.30	13,669

Potato Crop of Minnesota for 1877 and acreage for 1878, by Counties.

COUNTIES.	1877.			1878.
	Acres.	Bushels.	Average per acre.	Acres.
Anoka.....	501	37,565	74.98	531
Becker.....	275	29,591	107.60	229
Benton.....	176	18,160	103.18	192
*Big Stone.....	47	3,332	.....	47
Blue Earth.....	1,274	72,042	56.50	1,127
Brown.....	697	29,158	41.83	624
Carver.....	1,008	61,859	60.97	994
Chippewa.....	199	4,155	20.87	166
Chisago.....	540	41,128	76.16	527
Clay.....	73	5,486	.....	73
Cottonwood.....	278	18,227	65.56	366
Carlton.....	26	4,780	191.53	10
Crow Wing.....	10	750	.....	27
Dakota.....	1,300	104,747	80.57	1,433
Dodge.....	543	47,177	86.88	406
Douglas.....	582	34,971	60.08	576
Faribault.....	531	34,118	64.25	669
Fillmore.....	1,080	106,328	97.61	1,206
Freeborn.....	720	58,152	80.76	808
Goodhue.....	1,120	108,568	96.84	1,113
Grant.....	103	7,392	71.18	105
Hennepin.....	2,022	172,308	85.21	2,385
Houston.....	685	71,385	104.21	772
Isanti.....	417	35,767	85.77	411
Jackson.....	278	18,681	67.19	308
Kanabec.....	58	4,513	77.82	50
Kandiyohi.....	404	8,393	20.78	376
Lac qui Parle.....	106	4,526	42.69	113
Lake.....	9	930	103.30	11
LeSeuer.....	171	8,642	50.53	1,427
Lincoln.....	67	5,321	79.41	76
Lyon.....	234	13,657	57.93	230
McLeod.....	969	40,356	41.64	684
Martin.....	298	27,143	91.09	375
Meeker.....	539	28,815	53.46	513
Mille Lacs.....	83	10,655	129.58	101
Morrison.....	268	23,039	85.96	270
Mower.....	562	43,738	79.60	744
Murray.....	127	7,022	55.29	141
Nicollet.....	899	62,006	68.86	889
Nobles.....	177	14,419	81.46	241
Olmsted.....	820	95,778	116.80	946
Otter Tail.....	8,853	67,524	79.16	749
Polk.....	84	9,669	115.10	132
Pope.....	334	13,580	54.61	344
Ramsey.....	546	45,796	83.87	644
Redwood.....	244	14,369	58.88	615
Renville.....	642	25,841	40.24	272
Rice.....	806	75,287	93.40	762
Rock.....	118	7,592	64.33	173
Scott.....	854	57,825	67.71	965
Sherburne.....	217	11,718	54.00	245
Sibley.....	915	54,074	.....	881
Stearns.....	1,564	74,223	47.42	1,468
Steele.....	569	51,970	91.17	546
Stevens.....	98	6,408	65.38	131
St. Louis.....	51	4,115	80.68	64
Swift.....	266	8,337	31.37	309
Todd.....	387	27,236	70.38	389
Wabasha.....	600	61,280	103.13	713
Wadena.....	30	3,948	131.60	67
Waseca.....	469	40,216	85.74	528
Washington.....	708	66,864	94.30	832
Watsonwan.....	321	14,771	46.01	363
Wilkin.....	38	4,336	114.00	45
Winona.....	863	82,660	96.00	955
Wright.....	757	66,526	87.88	819
Yellow Medicine.....	165	5,453	33.25	162
Total.....	40,775	2,426,002	.....	35,465

Sugar Cane Crop of Minnesota for 1877, and Acreage of 1878, by Counties.

COUNTIES.	1877.			1878.
	Acres.	Gallons.	Average per acre.	Acres.
Anoka.....	6	145	24.16	17
Becker.....				4
Benton.....				2
Big Stone.....				
Blue Earth.....	226	11,930	52.78	240
Brown.....	116	6,562	56.56	149
Carver.....	92	7,278	79.10	95
Chippewa.....	23	99	4.30	34
Chisago.....				5
Clay.....				
Cottonwood.....	25	994	38.22	39
Carlton.....				
Crow Wing.....				
Dakota.....	10	248	24.80	11
Dodge.....	6	672	112.00	9
Douglas.....	11	349	31.72	63
Faribault.....	73	4,760	64.79	102
Fillmore.....	26	2,448	94.11	15
Freeborn.....	52	3,439	66.13	59
Goodhue.....	6	320	53.33	4
Grant.....				½
Hennepin.....	179	11,929	66.64	184
Houston.....	5	276	55.20	1
Isanti.....	1	70	70.00	10
Jackson.....	23	874	38.00	36
Kanabec.....				
Kandiyohi.....	8	10		9
Lac qui Parle.....	½	50	100.00	2
Lake.....				
Le Sueur.....	168	17,545	104.43	280
Lincoln.....	½	50	100.00	5
Lyon.....	36	1,289	35.80	27
McLeod.....	56	3,399	60.69	61
Martin.....	120	6,928	57.73	122
Meeker.....	48	3,967	82.86	175
Mille Lacs.....	1			5
Morrison.....	1			2
Mower.....	1	96	96.00	
Murray.....	4	100	25.00	
Nicollet.....	183	6,986	38.17	159
Nobles.....	12	183	15.25	17
Olmsted.....	3	293	97.66	9
Otter Tail.....	1	3	3.00	8
Polk.....	1	16	16.00	1
Pope.....	3	19	6.33	24
Ramsey.....				1
Redwood.....	14	660	47.14	29
Renville.....	80	4,542	56.77	41
Rice.....	49	6,296	128.50	105
Rock.....	1½	90	60.00	1
Scott.....	42	4,595	109.40	12
Sherburne.....	32	733	23.00	51
Sibley.....	32	3,052	95.68	39
Stearns.....	5	155	31.00	29
Steele.....	14	942	67.28	14
Stevens.....	2	15	60.00	3
St. Louis.....				
Swift.....	9	141	15.66	12
Todd.....	9	351	39.00	38
Wabasha.....				1
Wadena.....				3
Waseca.....	44	3,656	83.09	44
Washington.....	3	200	66.66	3
Watsonwan.....	75	3,590	47.86	73
Wilkin.....	8	88	11.00	1
Winona.....	14	2,033	145.00	10
Wright.....	240	15,687	65.36	294
Yellow Medicine.....				
Totals.....	2,200	140,153	63.07	2,789

Bean Crop of Minnesota for 1877, and Acreage of 1878, by Counties.

COUNTIES.	1877.			1878.
	Acres.	Bushels.	Average per acre.	Acres.
Anoka.....	117	569		73
Becker.....	26	222		19
Benton.....	14	79		24
Big Stone.....				
Blue Earth.....	12	252		61
Brown.....	52	860		17
Carver.....	4	28		4
Chippewa.....	18	15		12
Chisago.....	54	54		54
Clay.....				
Cottonwood.....	5	49		37
Carlton.....	2	23		
Crow Wing.....				5
Dakota.....	9	115		71
Dodge.....	23	263		8
Douglas.....	6	14		24
Faribault.....	5	86		63
Fillmore.....	24	357		24
Freeborn.....	70	1,608		26
Goodhue.....	18	267		11
Grant.....	1	9		2
Hennepin.....	79	657		147
Houston.....	27	295		20
Isanti.....	74	447		83
Jackson.....	135	1,937		21
Kanabec.....	2	39		8
Kandiyohi.....	3			5
Lac qui Parle.....	3	10		2
Lake.....				
Le Sueur.....	39	1,032		164
Lincoln.....	2	38		22
Lyon.....	7	51		10
McLeod.....	13	83		29
Martin.....	37	383		158
Meeker.....	16	65		17
Mille Lacs.....	13	173		20
Morrison.....	46	144		85
Mower.....	26	233		8
Murray.....	8	84		19
Nicollet.....	2	73		22
Nobles.....	5	64		33
Olmsted.....	1,711	408		21
Otter Tail.....	39	100		48
Polk.....	5	54		15
Pope.....	6	1		25
Ramsey.....	6	57		66
Redwood.....	3	8		2
Renville.....	12	162		36
Rice.....	18	214		19
Rock.....	8	96		13
Scott.....	1	11		2
Sherburne.....	69	308		79
Sibley.....	29	520		7
Stearns.....	22	167		47
Steele.....	10	201		48
Stevens.....	10	18		19
Saint Louis.....				
Swift.....	7	1		11
Todd.....	13	51		27
Wabasha.....	5	93		7
Wadena.....	1	13		8
Waseca.....	3	95		5
Washington.....	44	225		33
Watsonwan.....	¾	10		60
Wilkin.....		3		1
Winona.....	38	380		40
Wright.....	24	126		63
Yellow Medicine.....	2	4		6
Total.....	3,074¾	14,471	4.70	2,116

*Cultivated Hay Crop of Minnesota for 1877, and Acreage of 1878,
by Counties.*

COUNTIES.	1877.		1878.
	Acres.	Tons.	Acres.
Anoka.....	361	530	231
Becker	123	60	117
Benton	55	100	50
Big Stone.....			
Blue Earth.....	2,382	1,927	2,010
Brown.....	23	27	112
Carver.....	367	720	425
Chippewa.....	2		2
Chisago.....	1,594	2,107	1,489
Clay.....			
Cottonwood.....	11	21	27
Carlton.....	62	94	
Crow Wing.....			75
Dakota.....	6,801	6,682	6,303
Dodge.....	4,352	5,503	3,357
Douglas.....	213	38	194
Faribault.....	1,063	821	1,106
Fillmore.....	15,907	20,828	13,344
Freeborn.....	713	972	1,342
Goodhue.....	10,725	12,531	10,797
Grant.....	25	10	11
Hennepin.....	5,244	5,961	4,032
Houston.....	8,793	11,368	9,449
Isanti.....	292	338	256
Jackson.....	55	45	73
Kanabec.....	34	44	39
Kandiyohi.....	85	6	2
Lac qui Parle.....	6	8	7
Lake.....	100	144	100
Le Sueur.....	1,742	3,288	1,859
Lincoln.....			
Lyon.....		3	13
McLeod.....	245	540	98
Martin.....	287	338	287
Meeker.....	213	150	101
Millie Lacs.....	19	25	29
Morrison.....	18	26	19
Mower.....	4,651	5,107	4,831
Murray.....	6	7	10
Nicolet.....	5	52	58
Nobles.....	164	181	356
Ohmsted.....	9,093	11,250	11,270
Otter Tail.....	154	83	231
Polk.....	2	4	4
Pope.....	11	20	35
Ramsey.....	1,538	1,786	1,477
Redwood.....	20	25	24
Renville.....	13	9	26
Rice.....	3,170	3,998	3,150
Rock.....	184	386	291
Scott.....	1,394	994	461
Sherburne.....		6	7
Sibley.....	32	46	36
Stearns.....	679	364	679
Steele.....	979	1,451	1,093
Stevens.....			12
St. Louis.....	122	252	148
Swift.....			8
Todd.....	121	74	243
Wabasha.....	7,360	8,583	7,252
Wadena.....		3	
Waseca.....	298	766	299
Washington.....	6,581	7,118	7,029
Watsonwan.....	417	444	358
Wilkin.....			3
Winona.....	11,242	13,233	11,765
Wright.....	1,907	2,237	1,038
Yellow Medicine.....			25
Total.....	112,056	133,747	1 9,575

Flax Crop of Minnesota for 1877, and Acreage of 1878, by Counties.

COUNTIES.	1877.		1878.
	Acres.	Bushels.	Acres.
Anoka.....			
Becker.....	1	14	
Benton.....			
Big Stone.....			
Blue Earth.....	89	626	70
Brown.....			51
Carver.....	1	10	
Chippewa.....	15	99	$\frac{1}{4}$
Chisago.....	$\frac{1}{4}$	$\frac{1}{4}$	
Clay.....			
Cottonwood.....	25	251	174
Carlton.....			
Crow Wing.....			
Dakota.....	42	670	42
Dodge.....	45	370	
Douglas.....	2	6	
Faribault.....	398	2,611	131
Fillmore.....	164	1,231	
Freeborn.....	198	1,801	
Goodhue.....			
Grant.....			
Hennepin.....			
Houston.....	1	3	
Isanti.....	1	4	
Jackson.....	290	3,207	218
Kanabec.....			
Kandiyohi.....	665	1,120	8
Lac qui Parle.....	16	41	1
Lake.....			
LeSueur.....	2	13	28
Lincoln.....			
Lyon.....	23	40	2
McLeod.....	10	36	8
Martin.....	2	15	59
Meeker.....	6		2
Mille Lacs.....			
Morrison.....			
Mower.....	61	630	1
Murray.....			21
Nicollet.....			
Nobles.....	1,252	10,756	1,328
Olmsted.....	33	490	12
Otter Tail.....	8	25	
Polk.....			
Pope.....	2	8	3
Ramsey.....			
Redwood.....	1	1	1
Renville.....			
Rice.....	130	1,775	5
Rock.....	1,962	14,466	139
Scott.....	1	10	
Sherburne.....			
Sibley.....	1	6	4
Stearns.....	5		
Steele.....		44	25
Stevens.....			2
St. Louis.....			
Swift.....	68	295	18
Todd.....			
Wabasha.....			
Wadena.....			
Waseca.....			
Washington.....			
Watsonwan.....	20	107	189
Wilkin.....			
Winona.....	1	27	
Wright.....			
Yellow Medicine.....	6	30	24
Total.....	5,547	46,838	2,568

Hop Crop of Minnesota for 1877, and acreage of 1878, by Counties.

COUNTIES.	1877.		1878.
	Acres.	Pounds.	Acres.
Anoka.....			
Becker.....			
Benton.....			
Big Stone.....			
Blue Earth.....			
Brown.....			
Carver.....	1	900	1
Chippewa.....			
Chisago.....			
Clay.....			
Cottonwood.....			
Carlton.....			
Crow Wing.....			
Dakota.....			
Dodge.....			
Douglas.....			
Faribault.....			
Fillmore.....		80	2
Freeborn.....		27	
Goodhue.....	8	4,348	4
Grant.....			
Hennepin.....	8	2,131	14
Houston.....	21	13,660	8
Isanti.....			
Jackson.....			
Kanabec.....			
Kandiyohi.....			
Lac qui Parle.....			
Lake.....			
Le Sueur.....			
Lincoln.....			
Lyon.....			
McLeod.....			
Martin.....			
Meeker.....			
Mille Lacs.....			
Morrison.....			
Mower.....			
Murray.....			
Nicollet.....			26
Nobles.....			
Olmsted.....	11	1,808	6
Otter Tail.....	2	28	2
Polk.....			
Pope.....			
Ramsey.....			
Redwood.....	22	680	
Renville.....			13
Rice.....		200	2
Rock.....			
Scott.....			
Sherburne.....			
Sibley.....			
Stearns.....		10	
Steele.....			
Stevens.....			
St. Louis.....			
Swift.....			
Todd.....			
Wabasha.....	2	1,200	
Wadena.....			
Waseca.....			
Washington.....	1½	1,000	2
Watsonwan.....			
Wilkin.....			
Winona.....	2	1,535	1
Wright.....	6	2,200	3
Yellow Medicine.....			
Total.....	84	29,807	87

Forest Trees Planted.

COUNTIES.	1878.			
	No. acres Planted on Arbor Day 1878.	No. acres in season of 1878.	Whole No. Acres Planted and Growing.	Rods acres Planted on Highway on Farm.
Anoka.....				
Becker.....		22		22
Benton.....				
Big Stone.....				
Blue Earth.....	2	28	688	9,816
Brown.....	10	108	3,291	11,688
Carver.....				
Chippewa.....	17	122	558	1,792
Chisago.....				
Clay.....				
Cottonwood.....		431	624	3,170
Carlton.....				
Crow Wing.....				
Dakota.....	10	7	79	16,694
Dodge.....		8	307	17,875
Douglas.....				
Faribault.....	6	141	2,264	
Fillmore.....		5	7,123	46,320
Freeborn.....	9	73	918	11,952
Grant.....		$\frac{1}{2}$	214	4,338
Goodhue.....		46	178	370
Hennepin.....		3	18	5,222
Houston.....				
Isanti.....				
Jackson.....	38	497	1,080	596
Kandiyohi.....				
Kanabec.....	3	39	180	1,448
Lake.....	5	8	121	80
Lac qui Parle.....				
Le Sueur.....				
Lincoln.....	2	23	165	140
Lyon.....		244	580	350
McLeod.....	2	15	52	200
Martin.....	15	223	1,537	13,659
Meeker.....		2	33	545
Mille Lacs.....				
Morrison.....				
Mower.....		8	415	17,229
Murray.....		155	275	
Nicollet.....				
Nobles.....	56	666	1,503	13,951
Olmsted.....	2	6	67	10,596
Otter Tail.....	5	4	100	
Polk.....				
Pope.....		60	62	493
Ramsey.....	200	2	3	1,920
Renville.....	89	424	954	
Redwood.....	13	278	741	3,643
Rice.....				
Rock.....	110	538	1,419	25,538
Scott.....			3	200
Sherburne.....				
Sibley.....	4	85	244	2,310
Stearns.....	100	1	14	50
Steele.....			89	
Stevens.....	52	166	622	2,000
St. Louis.....				
Swift.....	23	267	421	1,957
Todd.....				
Wabasha.....		13	70	5,660
Wadena.....				
Waseca.....	2	12	520	1,604
Washington.....		3	3	
Watsonwan.....	26	83	552	1,862
Wilkin.....				
Winona.....	3	6	21	2,450
Wright.....				
Yellow Medicine.....	2	41	202	1,525
Total.....	811	4,863	28,210	239,265

Cheese Factories and Nurseries.

COUNTIES.	1878.	1878.
	Cheese Factories. Number.	Nurseries. Number.
Anoka.....	1	1
Becker.....		
Benton.....	1	1
Big Stone.....		
Blue Earth.....		1
Brown.....	1	
Carver.....		1
Chippewa.....	2	
Chisago.....	1	1
Clay.....		
Cottonwood.....		
Carlton.....		
Crow Wing.....		
Dakota.....	1	
Dodge.....		
Douglas.....		
Faribault.....	3	2
Fillmore.....	1	1
Freeborn.....		
Goodhue.....	1	1
Grant.....		
Hennepin.....		7
Houston.....	1	2
Isanti.....	1	
Jackson.....		
Kanabec.....		
Kandiyohi.....	2	1
Lac qui Parle.....		
Lake.....		
Le Sueur.....		4
Lincoln.....		
Lyon.....		2
McLeod.....	2	
Martin.....	2	
Meeker.....		
Mille Lacs.....		
Morrison.....		
Mower.....		1
Murray.....		1
Nicollet.....		
Nobles.....	2	
Olusted.....	5	2
Otter Tail.....		
Polk.....		
Pope.....		
Ramsey.....		2
Redwood.....		9
Renville.....		
Rice.....	2	2
Rock.....		
Scott.....	2	
Sherburne.....	4	
Sibley.....	1	
Stearns.....	2	
Steele.....	3	3
Stevens.....		1
St. Louis.....		
Swift.....		
Todd.....		
Wabasha.....		1
Wadena.....		
Waseca.....	1	1
Washington.....	1	
Watsonwan.....		
Wilkin.....		
Winona.....		2
Wright.....	2	
Yellow Medicine.....	1	
Total.....	46	50

Timothy and Clover Crop of Minnesota for 1877, by Counties.

COUNTIES.	1877.	
	Timothy.	Clover.
	Bushels.	Bushels.
Anoka.....	1	
Becker.....	8	4
Benton.....	11	239
Big Stone.....		
Blue Earth.....	659	
Brown.....	159	38
Carver.....	5	874
Chippewa.....		
Chisago.....	82	
Clay.....		
Cottonwood.....		80
Carlton.....		
Crow Wing.....	263	99
Dakota.....	2,469	85
Dodge.....	15	
Douglas.....	500	
Fairbault.....	9,902	1,226
Fillmore.....	119	5
Freeborn.....	898	1,034
Goodhue.....		
Grant.....	169	50
Hennepin.....	304	140
Houston.....	15	13
Isanti.....	3	
Jackson.....	1	
Kanabec.....	1	28
Kandiyohi.....		
Lac qui Parle.....		
Lake.....	64	13
LeSueur.....	5	
Lincoln.....	$\frac{1}{2}$	
Lyon.....	13	
McLeod.....	37	
Martin.....	$\frac{1}{4}$	
Meeker.....		
Mille Lacs.....		
Morrison.....	2,519	670
Mower.....	120	
Murray.....		
Nicollet.....	112	$\frac{1}{2}$
Nobles.....	5,389	1,330
Olmsted.....	11	
Otter Tail.....		
Polk.....		
Pope.....	16	9
Ramsey.....		
Redwood.....		
Renville.....	147	280
Rice.....	2,167	
Rock.....	22	35
Scott.....		
Sherburne.....	3	
Sibley.....	339	
Stearns.....	139	
Steele.....		
Stevens.....	5	
St. Louis.....		
Swift.....		
Todd.....	809	670
Wabasha.....		
Wadena.....	73	5
Waseca.....	302	316
Washington.....	97	
Watowan.....		
Wilkin.....		
Winona.....	10,574	1,673
Wright.....	2	4
Yellow Medicine.....		
Total.....	42,559	8,807

Maple Syrup and Maple Sugar Crop of Minnesota for 1878, by Counties.

COUNTIES.	MAPLE SYRUP.	MAPLE SUGAR.
	Gallons.	Pounds.
Anoka.....	5	50
Becker.....	53	15
Benton.....	131	203
Big Stone.....		
Blue Earth.....	223	260
Brown.....	65	606
Carver.....	567	390
Chippewa.....		
Chisago.....	249	400
Clay.....		
Cottonwood.....		
Crow Wing.....		
Carlton.....	20	315
Dakota.....		
Dodge.....		
Douglas.....	358	1,340
Faribault.....		
Fillmore.....	360	
Freeborn.....		
Goodhue.....		
Grant.....		
Hennepin.....	1,909	12,509
Houston.....	48	200
Isanti.....	609	25
Jackson.....	2	
Kanabec.....	68	20
Kandiyohi.....		
Lac qui Parle.....		
Lake.....		
Le Sueur.....	3,317	20,654
Lincoln.....		
Lyon.....	5	40
McLeod.....	24	355
Martin.....		
Meeker.....	51	45
Mille Lacs.....	96	320
Morrison.....	79	300
Mower.....		
Murray.....		
Nicollet.....	8	40
Nobles.....		
Olmsted.....	50	500
Otter Tail.....	878	1,974
Polk.....		
Pope.....	5	10
Ramsey.....		
Redwood.....	20	
Renville.....		
Rice.....	986	2,962
Rock.....		
Scott.....	112	
Sherburne.....	20	
Sibley.....	4	
Stearns.....	201	
Steele.....		150
Stevens.....		
St. Louis.....		
Swift.....		
Todd.....	2,322	5,106
Wabasha.....		
Wadena.....		
Waseca.....		
Washington.....		
Watsonwan.....		
Wilkin.....	20	20
Winona.....	719	3,914
Wright.....	1	
Yellow Medicine.....		
Total.....	13,588	52,723

Other Products and Total Acreage for 1877 and 1878, by Counties.

COUNTIES.	1877.	1878.
	Other Products. Acres.	Other Products. Acres.
Anoka.....	85	9
Becker.....	95	125
Benton.....	12	67
Big Stone.....		
Blue Earth.....	379	496
Brown.....	184	306
Carver.....	211	338
Chippewa.....	33	70
Chisago.....	251	276
Clay.....		
Cottonwood.....	98	164
Carlton.....	2	
Crow Wing.....		14
Dakota.....	171	
Dodge.....	100	151
Douglas.....	153	187
Faribault.....	198	154
Fillmore.....	775	1,054
Freeborn.....	97	106
Goodhue.....	1,601	2,001
Grant.....	8	23
Hennepin.....	1,843	1,731
Houston.....	545	1,195
Isanti.....	54	164
Jackson.....	908	154
Kanabec.....	70	24
Kandiyohi.....	66	63
Lac qui Parle.....	5	15
Lake.....	16	12
Le Sueur.....	444	741
Lincoln.....	12	44
Lyon.....	41	25
McLeod.....	68	100
Martin.....	301	
Meeker.....	59	90
Mille Lacs.....	15	8
Morrison.....	151	191
Mower.....	1,985	1,009
Murray.....	72	76
Nicollet.....	16	104
Nobles.....	307	339
Olmsted.....	1,990	2,175
Otter Tail.....	76	167
Polk.....	25	42
Pope.....	44	61
Ramsey.....	688	678
Redwood.....	129	28
Renville.....	3	127
Rice.....	148	221
Rock.....	122	175
Scott.....		
Sherburne.....	56	95
Sibley.....	105	204
Stearns.....	131	330
Steele.....	105	90
Stevens.....	3	24
St. Louis.....	35	42
Swift.....	21	37
Todd.....	105	142
Wabasha.....	1,018	1,814
Wadena.....	8	29
Waseca.....	101	149
Washington.....	604	515
Watsonwan.....	68	84
Wilkin.....	21	40
Winona.....	1,649	1,455
Wright.....	127	156
Yellow Medicine.....	17	52
Total.....	17,458	12,157

Bees and Honey in Minnesota for 1877, by Counties.

COUNTIES.	1877.	
	Hives, Number.	Honey, Pounds,
Anoka.....	22	190
Becker.....		
Benton.....	81	1,170
Big Stone.....		
Blue Earth.....	665	15,889
Brown.....	950	11,256
Carver.....	223	2,075
Chippewa.....		
Chisago.....	164	1,473
Clay.....		
Cottonwood.....	3	200
Carlton.....		
Crow Wing.....		
Dakota.....	201	6,417
Dodge.....	435	8,205
Douglas.....	32	1,060
Fairbault.....	239	5,058
Fillmore.....	582	11,615
Freeborn.....	212	3,745
Goodhue.....	630	8,259
Grant.....		
Hennepin.....	523	8,316
Houston.....	317	6,519
Isanti.....	115	1,815
Jackson.....	35	300
Kanabec.....		
Kandiyohi.....	142	2,940
Lac qui Parle.....		
Lake.....		
Le Sueur.....	247	7,215
Lincoln.....		
Lyon.....	2	25
McLeod.....	194	4,470
Martin.....	101	2,935
Meeker.....	294	4,910
Mille Lacs.....	120	4,000
Morrison.....	142	2,612
Mower.....	252	3,912
Murray.....		
Nicollet.....	321	8,228
Nobles.....		
Olmsted.....	557	13,867
Otter Tail.....		
Polk.....		
Pope.....	4	25
Ramsey.....	142	1,300
Redwood.....	25	500
Renville.....	3	
Rice.....	505	13,893
Rock.....		
Scott.....	177	2,898
Sherburne.....	109	2,135
Sibley.....	21	370
Stearns.....	324	6,436
Steele.....	291	17,565
Stevens.....		
St. Louis.....	4	60
Swift.....		
Todd.....	65	992
Wabasha.....	328	4,582
Wadena.....		
Waseca.....	130	1,615
Washington.....	71	1,190
Watouwan.....	11	75
Wilkin.....		
Winona.....	580	7,509
Wright.....	244	3,907
Yellow Medicine.....		
Total.....	10,835	213,768

Horses, Cattle and Hogs.

COUNTIES.	1878.		
	Horses.	Cattle.	Hogs.
Aitkin	22	155	22
Anoka.....	1,573	1,143	1,625
Becker.....	537	1,450	531
Benton.....	520	978	800
Big Stone.....			
Blue Earth.....	8,424	4,262	8,453
Brown.....	3,655	2,825	1,858
Carlton.....	35	99	35
Carver.....	3,539	2,076	6,944
Chippewa.....	1,332	1,436	349
Chisago.....	1,106	1,949	1,965
Clay.....	632	885	356
Cottonwood.....	1,372	1,758	670
Crow Wing.....	98	58	71
Dakota.....	7,430	1,635	7,219
Dodge.....	5,933	1,977	4,192
Douglas.....	1,861	2,631	1,296
Faribault.....	5,484	3,270	6,793
Fillmore.....	12,356	3,389	18,330
Freeborn.....	6,840	4,071	6,548
Goodhue.....	11,725	2,011	9,417
Grant.....	608	774	244
Hennepin.....	7,691	2,241	7,682
Houston.....	5,400	2,301	15,995
Isanti.....	679	1,594	1,007
Jackson.....	1,281	1,702	851
Kanabec.....	36	213	77
Kandiyohi.....	3,154	3,116	906
Lac qui Parle.....	903	933	291
Lake.....	6	13	17
LeSueur.....	3,932	2,533	9,357
Lincoln.....	378	419	116
Lyon.....	1,402	1,124	461
McLeod.....	3,135	3,813	3,626
Martin.....	1,922	1,555	1,669
Meeker.....	3,466	2,817	1,670
Mille Lacs.....	294	409	295
Morrison.....	886	1,204	1,461
Mower.....	3,231	2,862	7,311
Murray.....	690	856	340
Nicollet.....	4,618	3,023	3,193
Nobles.....	1,151	1,106	737
Ohmsted.....	10,090	2,661	7,884
Otter Tail.....	2,764	4,773	2,118
Pine.....	51	159	90
Polk.....	833	1,383	511
Pope.....	1,654	2,197	628
Ramsey.....	1,858	282	1,560
Redwood.....	1,511	1,783	714
Renville.....	2,948	3,839	2,016
Rice.....	6,916	2,560	7,405
Rock.....	1,461	704	857
St. Louis.....	102	11	35
Scott.....	3,636	1,812	6,632
Sherburne.....	976	1,523	890
Sibley.....	3,944	2,921	5,122
Stearns.....	5,275	3,728	5,528
Steele.....	5,246	2,594	3,828
Stevens.....	892	461	208
Swift.....	1,381	1,566	473
Todd.....	899	1,593	1,420
Traverse.....	40	28	13
Wabasha.....	6,393	951	7,709
Wadena.....	149	112	49
Waseca.....	4,600	1,788	4,256
Washington.....	3,435	1,030	4,644
Watsonwan.....	1,505	1,675	1,389
Wilkin.....	179	266	129
Winona.....	7,052	2,326	8,703
Wright.....	3,586	4,160	6,425
Yellow Medicine.....	1,292	1,731	517
Total.....	204,983	119,262	217,183

Sheep and Wool.

COUNTIES.	1877.		1878.	
	Number.	Pounds.	Number.	Pounds.
Anoka.....	908	3,370	1,035	3,732
Becker.....	546	1,922	601	1,894
Benton.....	262	1,205	307	1,237
Big Stone.....				
Blue Earth.....	5,784	24,088	6,031	25,429
Brown.....	1,925	8,583	2,093	8,481
Carver.....	6,524	35,245	6,320	22,351
Chippewa.....	919	3,834	1,115	4,004
Chisago.....	2,383	7,244	2,578	7,754
Clay.....				
Cottonwood.....	1,005	5,379	2,273	12,301
Carlton.....	2	11		
Crow Wing.....			3	21
Dakota.....	2,630	9,885	2,338	7,994
Dodge.....	2,507	11,102	2,380	8,646
Douglas.....	3,307	12,215	3,696	13,444
Faribault.....	8,695	42,484	8,972	41,832
Fillmore.....	5,333	21,456	4,823	21,250
Freeborn.....	3,719	13,790	3,404	11,026
Goodhue.....	6,032	27,490	6,057	26,001
Grant.....	724	2,955	779	2,746
Hennepin.....	6,331	37,741	6,663	32,933
Houston.....	3,600	13,425	3,696	14,246
Isanti.....	2,000	6,023	2,212	6,082
Jackson.....	1,896	8,038	3,180	13,014
Kanabec.....	43	110	48	102
Kandiyohi.....	5,004	19,507	5,321	19,423
Lac qui Parle.....	697	2,050	661	2,233
Lake.....			6	
Le Sueur.....	7,272	28,046	7,332	26,510
Lincoln.....	36	70	60	143
Lyon.....	955	4,785	1,732	6,927
McLeod.....	4,420	18,597	5,581	16,581
Martin.....	6,252	27,114	8,475	
Meeker.....	3,875	16,314	4,131	14,531
Mille Lacs.....	205	985	214	984
Morrison.....	527	2,464	641	2,462
Mower.....	1,206	5,917	1,818	5,917
Murray.....	639	2,311	653	2,777
Nicollet.....	3,938	16,979	4,083	18,053
Nobles.....	1,106	5,562	2,816	8,303
Olmsted.....	3,276	18,558	2,906	16,790
Otter Tail.....	4,053	20,531	4,868	15,403
Polk.....	345	1,015	440	1,185
Pope.....	2,840	11,344	3,259	11,946
Ramsey.....	124	543	124	597
Redwood.....	1,661	10,006	2,468	8,221
Renville.....	2,424	9,693	2,074	11,071
Rice.....	6,116	27,893	5,379	18,911
Rock.....	358	1,702	427	1,753
Scott.....	4,246	15,586	3,913	11,956
Sherburne.....	811	3,121	939	4,136
Sibley.....	5,247	19,494	5,208	18,273
Stearns.....	5,771	22,532	6,361	23,216
Steele.....	2,307	12,101	2,633	10,521
Stevens.....	160	499	173	845
St. Louis.....	6	28	9	37
Swift.....	803	2,932	943	2,967
Todd.....	929	4,040	1,111	4,576
Wabasha.....	1,049	4,572	994	4,861
Wadena.....			46	
Waseca.....	1,633	6,681	1,588	4,539
Washington.....	1,699	6,636	1,582	5,666
Watsonwan.....	1,693	5,824	2,201	7,183
Wilkin.....	41	105	54	134
Winona.....	3,358	18,008	2,791	14,603
Wright.....	6,490	27,939	7,430	29,271
Yellow Medicine.....	1,213	5,428	1,219	5,131
Total.....	161,797	705,116	173,269	645,156

Milch Cows, Butter and Cheese.

COUNTIES.	1877.			1878.
	Cows. Number.	Butter. Pounds.	Cheese. Pounds.	Cows. Number.
Anoka.....	2,367	161,778	1,233	2,446
Becker.....	1,136	89,402	.....	1,235
Benton.....	1,044	72,384	75,700	1,152
*Big Stone.....	.....	.....	.....	.....
Blue Earth.....	6,948	542,636	12,723	7,513
Brown.....	4,908	309,765	8,477	5,114
Carver.....	5,044	202,322	5,255	4,985
Chippewa.....	1,708	108,410	9,279	2,003
Chisago.....	2,524	127,192	11,590	2,743
*Clay.....	.....	.....	.....	.....
Cottonwood.....	2,209	154,493	8,980	2,287
*Crow Wing.....	.....	.....	.....	.....
Carlton.....	400	160	.....	41
Dakota.....	5,218	451,499	5,158	5,004
Dodge.....	3,013	266,175	29,945	4,054
Douglas.....	2,878	209,976	6,288	3,121
Faribault.....	5,392	399,343	34,160	5,636
Fillmore.....	9,367	488,921	20,500	9,351
Freeborn.....	6,401	440,969	44,518	6,639
Goodhue.....	8,204	617,901	6,823	8,526
Grant.....	840	55,226	3,696	920
Hennepin.....	6,002	415,987	3,231	6,093
Houston.....	5,618	305,620	3,047	5,619
Isanti.....	1,944	103,530	3,648	1,978
Jackson.....	2,363	14,603	5,220	2,556
Kanabec.....	126	6,437	60	148
Kandiyohi.....	4,092	265,415	3,672	4,451
Lac qui Parle.....	1,002	66,002	585	1,143
Lake.....	27	2,700	.....	34
Le Sueur.....	4,693	236,429	340	5,073
Lincoln.....	420	31,250	20	473
Lyon.....	1,509	132,610	672	1,644
McLeod.....	5,154	299,345	27,633	5,035
Martin.....	2,357	186,015	52,377	2,827
Meeker.....	3,264	227,746	1,550	3,892
Mille Lacs.....	509	36,350	.....	545
Morrison.....	1,065	80,337	3,464	1,075
Mower.....	3,760	319,233	17,545	4,290
Murray.....	838	59,430	1,050	885
Nicollet.....	5,416	367,396	7,407	6,266
Nobles.....	1,390	94,085	33,440	1,668
Ohmsted.....	6,121	513,279	92,605	6,078
Otter Tail.....	4,817	314,865	13,469	5,449
Polk.....	837	46,873	100	1,081
Pope.....	2,529	196,220	1,935	3,015
Ramsey.....	1,138	88,934	9,820	1,244
Redwood.....	1,787	159,505	1,719	4,483
Renville.....	3,680	278,201	5,175	1,872
Rice.....	4,945	367,337	29,385	5,143
Rock.....	1,118	89,551	1,775	1,165
Scott.....	4,309	419,191	.....	4,177
Sherburne.....	1,367	101,149	41,580	1,515
Sibley.....	5,570	244,679	24,315	5,816
Stearns.....	6,118	321,807	34,563	7,077
Steele.....	5,021	323,977	23,785	5,142
Stevens.....	458	53,170	50	588
St. Louis.....	49	3,470	.....	57
Swift.....	1,633	111,790	371	1,876
Todd.....	1,335	87,217	1,552	1,491
Wabasha.....	4,183	305,536	1,775	4,259
Wadena.....	.....	43	3,613	135
Waseca.....	4,004	272,005	1,978	3,353
Washington.....	3,276	177,967	80,780	3,520
Watsonwan.....	2,514	202,865	1,215	3,174
Wilkin.....	163	14,585	.....	153
Winona.....	5,391	360,819	1,545	5,514
Wright.....	4,887	284,032	2,734	4,832
Yellow Medicine.....	1,979	156,065	3,950	2,198
Totals.....	200,379	13,443,195	829,075	213,876

Strawberries and Tobacco.

COUNTIES.	1877.	
	Strawberries, quarts.	Tobacco, pounds.
Anoka.....	1,459	1,361
Becker.....	37	447
Benton.....	55	714
Big Stone.....		
Blue Earth.....	1,473	1,064
Brown.....	314	195
Carver.....	182	1,352
Chippewa.....		20
Chisago.....	1,162	1,470
Clay.....		
Cottonwood.....	100	
Crow Wing.....		10
Carlton.....		
Dakota.....	9,284	25
Dodge.....	1,216	884
Douglas.....	273	286
Faribault.....	3,498	255
Fillmore.....	21,833	952
Freeborn.....	1,360	665
Goodhue.....	15,377	462
Grant.....		10
Hennepin.....	24,336	572
Houston.....	2,477	1,559
Isanti.....	654	3,493
Jackson.....	105	71
Kanabec.....	238	106
Kandiyohi.....		10
Lac qui Parle.....		
Lake.....		
Le Seuer.....	4,377	5,250
Lincoln.....		32
Lyon.....	100	165
McLeod.....	175	1,388
Martin.....	501	72
Meeker.....	734	800
Mille Lacs.....		162
Morrison.....	267	1,905
Mower.....	960	150
Murray.....	105	363
Nicollet.....	272	118
Nobles.....	610	95
Olmsted.....	5,846	245
Otter Tail.....	48	1,130
Polk.....		331
Pope.....	292	106
Ramsey.....	46,060	283
Renville.....	6	33
Redwood.....	50	
Rice.....	2,656	2,924
Rock.....	148	20
Scott.....	190	465
Sherburne.....	1,602	400
Sibley.....	50	416
Stearns.....	781	494
Steele.....	221	45
Stevens.....		1
St. Louis.....	20	194
Swift.....	4	26
Todd.....	332	604
Wabasha.....	1,289	
Wadena.....		75
Waseca.....	229	1,522
Washington.....	17,183	332
Watsonwan.....	290	257
Wilkin.....		
Winona.....	30,276	816
Wright.....	1,917	1,475
Yellow Medicine.....		164
Total.....	203,024	38,839

Wild Hay Crop of Minnesota for 1877, by Counties.

COUNTIES.	1877.	
	Acres.	Tons.
Anoka.....		9,187
Becker.....		8,765
Benton.....		5,876
Big Stone.....		
Blue Earth.....		41,561
Brown.....		30,842
Carver.....		17,558
Chippewa.....		13,713
Chisago.....		7,966
Clay.....		
Cottonwood.....		16,007
Carlton.....		109
Crow Wing.....		
Dakota.....		13,824
Dodge.....		15,489
Douglas.....		21,855
Faribault.....		39,390
Fillmore.....		10,628
Freeborn.....		45,032
Goodhue.....		21,209
Grant.....		7,691
Hennepin.....		26,841
Houston.....		5,417
Isanti.....		9,036
Jackson.....		17,440
Kanabec.....		1,249
Kandiyohi.....		26,307
Lac qui Parle.....		9,779
Lake.....		6
LeSeuer.....		16,271
Lincoln.....		3,580
Lyon.....		12,511
McLeod.....		30,692
Martin.....		20,932
Meeker.....		25,251
Mille Lacs.....		5,004
Morrison.....		5,014
Mower.....		16,970
Murray.....		6,843
Nicollet.....		48,981
Nobles.....		13,426
Olmsted.....		9,789
Otter Tail.....		31,070
Polk.....		6,833
Pope.....		18,060
Ramsey.....		4,222
Redwood.....		15,159
Renville.....		
Rice.....		24,232
Rock.....		20,143
Scott.....		18,504
Sherburne.....		7,930
Sibley.....		28,481
Stearns.....		28,035
Steele.....		27,338
Stevens.....		6,801
St. Louis.....		35
Swift.....		15,301
Todd.....		9,874
Wabasha.....		2,772
Wadena.....		331
Waseca.....		22,133
Washington.....		2,543
Watsonwan.....		21,991
Wilkin.....		1,499
Winona.....		3,501
Wright.....		19,395
Yellow Medicine.....		
Total.....		974,224

Grape Vines and Grapes.

COUNTIES.	1877.		1878.
	Vines Bearing.	Pounds Grapes.	Vines Bearing.
Anoka.....	26	61	54
Becker.....	7	5	16
Benton.....			
Big Stone.....			
Blue Earth.....	1,781	4,034	1,880
Brown.....	1,861	17,018	81
Carver.....	497	1,901	770
Chippewa.....			
Chisago.....	28	47	24
Clay.....			
Cottonwood.....	25	100	33
Carlton.....	1		1
Crow Wing.....			
Dakota.....	1,386	1,924	1,629
Dodge.....	124	654	238
Douglas.....	109	135	146
Faribault.....	512	809	379
Fillmore.....	950	2,921	683
Freeborn.....	427	497	280
Goodhue.....	1,273	2,093	1,696
Grant.....			
Hennepin.....	4,542	15,139	4,328
Houston.....	6,372	5,683	5,506
Isanti.....	29	135	34
Jackson.....	41		12
Kanabec.....			
Kandiyohi.....	5		165
Lac qui Parle.....			
Lake.....			
Le Sueur.....	2,140	16,636	2,707
Lincoln.....			
Lyon.....	14		11
McLeod.....	135	179	139
Martin.....	240	91	141
Meeker.....	59	168	80
Mille Lacs.....			
Morrison.....			
Mower.....	177	175	156
Murray.....			
Nicollet.....	644	145	1,041
Nobles.....	257	500	278
Olmsted.....	2,181	921	1,346
Otter Tail.....			45
Polk.....			8
Pope.....	54	50	31
Ramsey.....	3,285	9,377	3,705
Redwood.....			5
Renville.....	3		100
Rice.....	1,225	2,029	1,220
Rock.....			4
Scott.....	2,349	8,127	2,379
Sherburne.....	6		8
Sibley.....	110	448	197
Stearns.....	123	5	45
Steele.....	726	1,338	187
Stevens.....	2		15
St. Louis.....			
Swift.....			
Todd.....	20	31	52
Wabasha.....	294	1,180	571
Wadena.....			
Waseca.....	59	111	58
Washington.....	964	1,190	363
Watsonwan.....	12	16	48
Wilkin.....			
Winona.....	7,110	5,654	7,335
Wright.....	358	446	471
Yellow Medicine.....			17
Total.....	40,873	101,973	40,748

Apple Trees and Apples.

COUNTIES.	1877.			1878.	
	Trees Growing.	Trees Bearing.	Apples, Bushels.	Trees Growing	Trees B'ring.
Anoka.....	8,042	2,348	350	8,096	3,199
Becker.....	613	87	16	735	140
Benton.....	12,776	221	84	13,220	275
Big Stone.....					
Blue Earth.....	31,951	9,141	1,947	37,103	10,195
Brown.....	3,361	356	350	4,673	955
Carver.....	21,322	6,364	2,841	24,128	6,324
Chippewa.....	518	21		657	146
Chisago.....	6,712	1,729	418	6,920	1,202
Clay.....					
Cottonwood.....	2,138	17		2,273	113
Carlton.....	90	3	1	90	12
Crow Wing.....					
Dakota.....	33,001	7,993	2,539	37,644	9,114
Dodge.....	13,128	1,795	617	19,784	3,736
Douglas.....	4,910	1,237	304	5,216	2,374
Faribault.....	26,261	5,352	748	34,026	6,854
Fillmore.....	58,564	7,596	2,872	76,328	8,925
Freeborn.....	23,483	3,578	434	28,634	4,765
Goodhue.....	59,579	9,197	2,161	61,898	10,907
Grant.....	295	100		248	62
Hennepin.....	319,418	13,317	3,742	270,483	20,506
Houston.....	71,096	3,233	1,389	76,926	5,704
Isanti.....	4,685	1,161	216	5,146	1,788
Jackson.....	1,336	75	1	1,697	195
Kanabec.....	491	16		364	29
Kandiyohi.....	3,666	657	12	4,810	832
Lac qui Parle.....	155			83	12
Lake.....					
Le Sueur.....	26,925	6,735	4,929	29,260	9,201
Lincoln.....	163	4		373	5
Lyon.....	805	74	2	1,369	163
McLeod.....	12,277	2,614	506	13,059	3,573
Martin.....	8,222	1,533	245	10,335	1,781
Meeker.....	8,921	1,415	197	9,123	1,924
Miller.....	1,842	674	464	1,980	125
Morrison.....	723	121	9	848	124
Mower.....	21,637	2,269	723	26,683	3,618
Murray.....	309	10	1	404	32
Nicollet.....	10,784	3,895	642	15,824	4,219
Nobles.....	2,657	15		3,904	126
Olmsted.....	78,254	6,349	1,475	83,847	9,387
Otter Tail.....	2,954	467	22	2,477	1,006
Polk.....	382			4,660	10
Pope.....	3,195	363	26	2,917	801
Ramsey.....	33,355	2,733	761	34,018	3,369
Redwood.....	811	160		1,489	417
Renville.....	1,367	290	7	2,050	244
Rice.....	27,141	5,393	1,154	24,021	6,525
Rock.....	863	2		3,460	3
Scott.....	18,066	4,621	1,311	21,212	5,975
Sherburne.....	3,523	1,369	260	3,730	1,198
Sibley.....	6,533	1,921	658	8,259	2,317
Stearns.....	10,007	2,481	408	11,168	3,043
Steele.....	17,686	4,324	1,016	20,159	3,592
Stevens.....	371	12		713	40
Saint Louis.....	174			174	
Swift.....	247	19	1	184	15
Todd.....	1,519	351	22	1,658	603
Wabasha.....	28,129	8,030	1,487	29,227	9,522
Wadena.....	52			111	
Waseca.....	12,540	3,621	776	12,177	3,537
Washington.....	23,407	5,500	2,223	21,799	7,751
Watsonwan.....	2,066	272	93	2,863	300
Wilkin.....	34				
Winona.....	53,405	6,632	2,054	67,617	14,091
Wright.....	22,165	6,280	2,454	24,395	6,451
Yellow Medicine.....	172	46		595	50
Total.....	1,151,279	156,189	45,736	1,219,324	203,493

Farms in Minnesota, by Counties.

COUNTIES.	1878.	
	Whole Number.	Of which New.
Anoka.....	598	11
Becker.....	416	14
Benton.....	256	20
Big Stone.....		
Blue Earth.....	1,956	15
Brown.....	1,039	8
Carver.....	1,623	18
Chippewa.....	733	57
Chisago.....	846	20
Clay.....		
Cottonwood.....	731	46
Crow Wing.....	17	3
Carlton.....		
Dakota.....	1,554	5
Dodge.....	915	16
Douglas.....	1,145	32
Faribault.....	1,168	37
Fillmore.....	2,593	21
Freeborn.....	1,762	26
Goodhue.....	2,982	9
Grant.....	311	27
Hennepin.....	2,280	69
Houston.....	1,777	25
Isanti.....	842	41
Jackson.....	587	7
Kanabec.....	81	9
Kandiyohi.....	1,251	26
Lac qui Parle.....	403	37
Lake.....	5	
LeSueur.....	1,967	128
Lincoln.....	257	130
Lyon.....	534	47
McLeod.....	1,337	58
Martin.....	605	19
Meeker.....	1,468	16
Mille Lacs.....	130	10
Morrison.....	489	44
Mower.....	1,811	25
Murray.....	257	35
Nicollet.....	1,282	10
Nobles.....	593	39
Olmsted.....	1,993	13
Otter Tail.....	1,878	41
Polk.....	347	82
Pope.....	742	30
Ramsey.....	286	29
Renville.....	1,151	26
Redwood.....	585	44
Rice.....	201	9
Rock.....	571	69
Scott.....	870	53
Sherburne.....	381	13
Sibley.....	1,331	18
Stearns.....	2,224	52
Steele.....	528	5
Stevens.....	299	67
St. Louis.....	57	7
Swift.....	812	138
Todd.....	664	60
Wabasha.....	1,150	4
Wadena.....	65	21
Waseca.....	1,012	8
Washington.....	882	17
Watowwan.....	584	31
Wilkin.....	94	6
Winona.....	1,933	23
Wright.....	1,999	103
Yellow Medicine.....	586	36
Totals.....	61,136	2,165

Total Acreage.

COUNTIES.	Total acre- age, culti- vated in 1877.	Total acre- age, culti- vated in 1878.	Taxable Lands.	Total acre- age of land surface.
Aitkin.....			48,938	1,155,612.94
Anoka.....	11,182	12,946	187,949	289,696.78
Becker.....	8,449	10,416	131,543	839,605.50
Benton.....	4,340	5,909	133,365	257,798.92
*Big Stone.....	2,757	2,957	7,670	296,490.26
Blue Earth.....	90,569	126,295	453,855	476,450.64
Brown.....	34,700	61,045	282,490	379,114.80
Carver.....	40,044	42,050	221,255.04	229,154.86
Chippewa.....	20,659	25,561	83,133	351,574.82
Chisago.....	12,278	13,627	247,590	269,351.02
Clay.....	4,415	4,415	129,547	667,093.53
Cottonwood.....	10,003	23,891	50,980	408,598.31
Carlton.....	148	271	64,393	548,630.93
Crow Wing.....	226		19,929	325,345.95
Dakota.....	150,881	146,754	357,498	*403,130.40
Dodge.....	95,213	103,939	274,892	275,634.87
Douglas.....	28,152	31,805	281,329	389,572.34
Fairbault.....	69,547	87,099	392,190	454,723.59
Fillmore.....	230,894	237,553	542,871	553,141.56
Freeborn.....	97,912	234,127	394,127	449,093.80
Goodhue.....	241,006	254,768	486,856	507,311.90
Grant.....	7,801	11,284	90,775	348,256.21
Hennepin.....	71,274	71,254	349,228	*350,000.32
Houston.....	98,204	103,655	340,830	364,080.19
Isanti.....	9,965	12,781	189,317	273,623.49
Jackson.....	9,326	21,100	138,368	469,378.86
Kanabec.....	449	681	154,197	337,536
Kandiyohi.....	49,683	58,379	320,283	497,183.15
Lac qui Parle.....	12,347	15,656	61,645	495,339.31
Lake.....	139	141	70,952	not surv'd.
Le Seuer.....	47,337	64,646	276,692	280,142.76
Lincoln.....	1,212	3,393	10,788	336,355.20
Lyon.....	13,192	20,142	63,866	452,022.70
McLeod.....	39,587	44,026	380,431	314,488.33
Martin.....	11,992	21,538	210,107	450,650.81
Meeker.....	49,942	54,653	299,000	382,952.94
Mille Lacs.....	1,070	3,355	193,185	363,192.90
Morrison.....	9,612	12,355	217,396	698,577.43
Mower.....	112,506	126,722	443,727	455,824.88
Murray.....	4,792	8,350	59,271	454,558.03
Nicollet.....	33,029	71,544	264,609	281,388.38
Nobles.....	14,148	25,251	170,173	454,876.52
Olmsted.....	175,681	197,286	418,402	420,121.43
Otter Tail.....	44,695	56,536	408,082	1,266,977.13
Pine.....			236,239	906,253.77
Polk.....	5,150	9,800	50,670	not surv'd.
Pipestone.....				277,892.07
Pope.....	31,121	32,936	221,253	424,710.51
Ramsey.....	12,135	13,494	81,021	*98,493.47
Redwood.....	15,683	26,718	196,362	558,643.10
Renville.....	31,151	46,099	162,472	621,878.02
Rice.....	76,699	81,905	313,294	313,908.87
Rock.....	26,006	35,110	100,028	276,247.04
Scott.....	42,542	38,894	213,773	235,899.50
Sherburne.....	8,048	11,276	177,136	281,765.30
Sibley.....	32,959	55,148	303,034	373,667.28
Stearns.....	78,243	89,769	639,643	894,278.34
Steele.....	77,538	82,893	263,123	273,068.42
Stevens.....	10,885	20,038	107,898	194,958.19
St. Louis.....	248	431	258,871	unsurv'd.
Swift.....	21,180	28,238	98,742	476,593.34
Todd.....	11,424	14,226	284,314	576,980.91
Traverse.....			280,529	369,963.11
Wabasha.....	136,993	142,136	336,185	344,705.41
Wadena.....	558	1,797	40,426	339,585.31
Waseca.....	62,859	68,554	262,325	268,758.75
Washington.....	65,172	71,806	243,889	262,641.70
Wantonwan.....	13,849	26,858	122,422	277,054.12
Wilkin.....	2,233	3,050	88,401	476,330.45
Winona.....	133,644	146,010	391,894	406,320.48
Wright.....	36,497	45,436	371,173	414,695.75
Yellow Medicine.....	16,999	20,912	131,306	461,566.73
Total.....	2,921,683	3,429,164		

Those marked thus * are estimated partly.

Statement of Grasshopper Damages in 1877.

COUNTIES.	WHEAT.		OATS.	
	Damaged or Destroyed.	Estimated Loss of crop.	Damaged or Destroyed.	Estimated Loss of crop.
	Acres.	Bushels.	Acres.	Bushels.
Brown.....	10,847	145,860	3,137	90,048
Becker.....	1,399	18,240	114	2,515
Blue Earth.....	5,460	58,955	4,346	89,831
Chippewa.....	13,549	237,227	1,728	58,295
Carver.....	528	6,697	220	3,721
Douglas.....	17,786	307,417	3,070	84,979
Freeborn.....	890	15,430	279	10,085
Faribault.....	4,006	35,723	2,037	32,162
Grant.....	5,374	56,785	738	12,103
Kandiyohi.....	37,397	694,716	5,879	206,011
Le Sueur.....	2,974	360,000	1,879	44,444
Lac qui Parle.....	8,045	135,219	954	25,466
McLeod.....	14,225	237,157	2,944	103,454
Meeker.....	28,243	374,465	5,684	143,572
Nicollet.....	7,063	133,793	4,900	207,933
Nobles.....	491	10,153	107	2,483
Otter Tail.....	17,400	265,817	2,734	62,782
Pope.....	17,463	260,871	3,108	80,279
Redwood.....	2,935	26,173	575	17,923
Renville.....	15,575	195,518	1,893	106,874
Rock.....	8,174	50,325	1,306	11,606
Sibley.....	2,653	43,965	3,905	120,315
Stearns.....	40,455	656,361	11,078	301,974
Swift.....	14,552	210,060	1,934	47,930
Stevens.....	8,633	115,936	1,159	25,154
Todd.....	3,050	49,317	676	14,697
Wilkin.....	741	9,244	131	3,210
Wright.....	2,992	46,109	625	17,419
Total.....	302,895	4,957,538	67,640	1,757,570

Statement of Grasshopper Damages in 1877.—Continued.

COUNTIES.	CORN.		BARLEY.	
	Damaged or Destroyed.	Estimated Loss of crop.	Damaged or Destroyed.	Estimated Loss of crop.
	Acres.	Bushels.	Acres.	Bushels.
Brown.....	8,257	180,606	247	4,105
Becker.....	18	305	20	430
Blue Earth.....	6,717	143,939	114	2,675
Chippewa.....	2,298	73,840	196	2,553
Carver.....	118	3,276	14	385
Douglas.....	1,773	48,373	514	16,070
Freeborn.....	27	410	36	660
Faribault.....	1,774	24,339	120	2,288
Grant.....	177	4,318	53	1,012
Kandiyohi.....	3,120	84,606	340	7,643
Le Sueur.....	1,085	17,600	282	3,995
Lac qui Parle.....	1,576	37,493	80	1,554
McLeod.....	3,090	101,870	392	11,982
Meeker.....	3,616	101,321	573	16,451
Nicollet.....	7,181	223,814	239	7,990
Nobles.....	174	4,140	134	2,695
Otter Tail.....	1,031	24,682	226	5,400
Pope.....	1,773	37,570	117	2,783
Redwood.....	1,412	34,092	216	3,994
Renville.....	6,728	140,919	164	3,789
Rock.....	819	11,359	1,091	13,118
Sibley.....	2,996	80,446	372	11,379
Stearns.....	6,659	171,089	943	24,021
Swift.....	1,505	43,083	328	7,113
Stevens.....	88	2,254	29	840
Todd.....	609	14,782	84	2,138
Wilkin.....	6	300	23	588
Wright.....	1,464	56,976	47	1,138
Total.....	66,091	1,665,993	7,054	146,985

Statement of Grasshopper Damages in 1877—Continued.

COUNTIES.	RYE.		BUCKWHEAT.	
	Damaged or Destroyed.	Estimated Loss of crop.	Damaged or Destroyed.	Estimated Loss of crop.
	Acres.	Bushels.	Acres.	Bushels.
Brown	189	11,013	13	170
Becker.....	1	30	27	835
Blue Earth.....	94	2,659	126	1,496
Chippewa.....	3	65	18	305
Carver.....			1	14
Douglas.....	108	2,299	65	1,408
Freeborn.....			30	500
Faribault.....		15	16	351
Grant.....			4	35
Kandiyohi.....	20	477	28	590
Le Sueur.....				
Lac qui Parle.....	16	414	27	94
McLeod.....	61	2,749	55	1,960
Meeker.....	59	834	27	532
Nicollet.....	23	772	17	245
Nobles.....	2	5	1	10
Otter Tail.....	57	1,114	25	463
Pope.....	32	557	34	610
Redwood.....	12	163	88	1,969
Renville.....	21	715	42	1,149
Rock.....	9	62	10	210
Sibley.....	69	955	43	555
Stearns.....	459	7,245	73	1,461
Swift.....	12	190	47	1,314
Stevens.....	1	13	6	155
Todd.....	287	3,347	20	465
Wilkin.....			20	140
Wright.....	42	569	22	600
Total.....	1,577	34,252	875	15,652

Statement of Grasshopper Damages in 1877—Continued.

COUNTIES.	POTATOES.		BEANS.	
	Damaged or Destroyed.	Estimated Loss of Crop.	Damaged or Destroyed.	Estimated Loss of Crop.
	Acres.	Bushels.	Acres.	Bushels.
Brown.....	261	18,683	.....	3
Becker.....	8	800	5	60
Blue Earth.....	66	8,280	.....	.....
Chippewa.....	132	9,440	2	43
Carver.....	4	460	.....	20
Douglas.....	316	33,920	4	63
Freeborn.....	3	270	.....	.....
Faribault.....	36	1,984	.....	.....
Grant.....	42	1,763	1	66
Kandiyohi.....	351	33,759	3	75
Le Sueur.....	64	6,616	.....	.....
Lac qui Parle.....	78	6,996	3	50
McLeod.....	172	18,532	6	132
Meeker.....	280	27,963	6	212
Nicollet.....	364	16,473	2	10
Nobles.....	1	90	1	10
Otter Tail.....	164	18,908	12	235
Pope.....	268	19,115	7	137
Redwood.....	42	3,086	2	38
Renville.....	437	53,928	5	77
Rock.....	27	1,598	.....	38
Sibley.....	133	9,404	1	15
Stearns.....	713	63,162	9	176
Swift.....	172	14,959	8	147
Stevens.....	53	3,049	8	165
Todd.....	144	16,485	8	131
Wilkin.....	6	1,240	.....	.....
Wright.....	87	9,863	14	163
Total.....	4,429	350,831	104	2,166

Statement of Grasshopper Damages in 1877—Concluded.

COUNTIES.	SORGUM.		CULTIVATED HAY.		HOPS.	
	Damaged or Destroyed.	Estimated Loss of Crop.	Damaged or Destroyed.	Estimated Loss of Crop.	Damaged or Destroyed.	Estimated Loss of Crop.
	Acres.	Gallons.	Acres.	Tons.	Acres.	Pounds.
Brown.....	13	574	12	17		
Becker.....						
Blue Earth.....	8	717	462	497		17,394
Chippewa.....	13	1,130	2	3	3	16
Carver.....			1	2		
Douglas.....	6	640	195	314		
Freeborn.....			11	12		
Faribault.....	1	13	129	140	69	570
Grant.....			24	41		
Kandiyohi.....	364	4,495	40	44		
Le Sueur.....						
Lac qui Parle.....						
McLeod.....	4	340	122	257		
Meeker.....	20	991	134	123		
Nicollet.....	72	7,308	54	81		
Nobles.....	209	2,765	39	20		
Otter Tail.....	1	90	81	144	1	24
Pope.....	1	37	10	6		20
Redwood.....						
Renville.....	19	1,333				
Rock.....			16	18	1,312	7,719
Sibley.....	4	401	9	15	6	60
Stearns.....	2	85	306	498	5	50
Swift.....	6	150	66	659		
Stevens.....						
Todd.....	1	40	180	296		
Wilkin.....						
Wright.....	44	4,343	155	180		
Total.....	793	25,457	2,159	3,417	1,396	25,853

STATE FAIR—1878.

FARMINGTON, MINN., JAN. 3, 1879.*Hon. Jno. P. Jacobson, Commissioner of Statistics, State of Minnesota:*

Your favor of December, 1878, reached me in due time. In complying with your request, I must say in justice to myself that I must necessarily be brief and I fear do the subject matter an injustice, but my time has been so severely occupied of late that I have trespassed on my rest so much that I am better fitted for a subject of rest than labor.

The late 20th annual fair and exposition of the state agricultural society of Minnesota was held at the driving park grounds in St. Paul, the first week in September, commencing Monday, the 3d, and continued during the week. The weather was all that could be asked for, and the exhibition the largest and best of any state fair ever held in this state. In fact compared favorably with any in older and wealthier states, as the following statistics will show.

The managers brought into requisition every laudable effort to instruct, to interest, and to please its patrons and visitors. Not only the yeomanry of the state of Minnesota contributed largely of their stock and cereals, but the sister states of Wisconsin, Iowa and Illinois contributed largely to swell the entries in the secretary's books.

Among the attractions in order to give satisfaction to all sorts and conditions of men, may be mentioned the President of the U. S., accompanied with members of his cabinet and officers of the army that have a national celebrity. The address was delivered by his excellency, Rutherford B. Hayes, on Thursday, to the largest number of people ever got together in Minnesota. Additional attractions were Dr. Carver, the greatest rifle shot of the age, who gave daily exhibitions of his skill; Capt. Bogardus, the champion wing shot of the world; elk from the far north, harnessed and driven; steeple and hurdle races; fox chasing and other sports by the English colony; J. Bishop with his stud of Shetland ponies, 30 in number, together with other attractions of like nature; and last but not least, the finest trotting horses of the world, viz.: Rarus, the king of the turf; Edwin Forrest, the phenomenon of the age; Great Eastern, Lulu, and Dame Trot were among the flyers, daily showing what blood and good management would do.

Notwithstanding the blighted condition of the wheat crop in southern and middle Minnesota, the gold crop of the state, and a gloomy outlook for the future, and with great stringency in the money market, yet the exhibition was a grand success.

In the different departments the following entries were made:

In the horse department we had 312 entries, from the little diminutive Shetland ponies to the enormous Norman and Clyde. The display in this department was unusually fine, and the stock much finer and better than that heretofore shown; showing what good blood is doing to the horse interest in our state. The thoroughbreds were unusually fine, and owned all in this state. The draft horses were represented by Clyde and Normans, and a showing that any state could feel proud of. In the trotting strains we had the various strains that are so popular at the present age, viz.: the Hambletonians, Abdallahs, Mambrinos, Clays, Bashaws, Almonts, Patchens, Morgans, &c., &c. In the grade class were some of the finest grades ever seen together in the state, showing what the introduction of the Norman and Clyde horses have done for our state, and it will be but a few years before this state can compete successfully with older states in fine horses as well as in other stock.

DIVISION "B." CATTLE.

I am happy to state that the exhibits in this class far exceeded our most sanguine expectations, as regards quantity and quality of each particular breed. In this division we had Short Horns, Jerseys, Herefords, Devons, Ayrshires, Scotch Galloways, and fine grades representing imported and home-bred cattle. The number of entries were as follows: Short Horns, 56; Jerseys, 23; Herefords, 17; Devons, 21; Galloways, 12. Grades, 22, and 12 entries for Herd prize. In the Short Horn class we had the different strains that are so popular at the present day, and of Jerseys the most fashionable bred; and the same may be said of the Herefords, Devons and Galloways.

The various herds of cattle throughout our State must remain a great source of wealth to our State. They are a ready method of converting grasses and grains into a product eminently marketable. Cattle at any age have a value that commands attention. There is no special season when they may not be converted into money. They were the representatives of trade in former years, as gold and silver are in our time. They were the measure of wealth. They were the tokens of independence and social influence on the part of their owners, and so to-day they are a part and parcel of the accumulation of property that comes to the careful, prudent and watchful husbandman. Good blooded cattle are always in demand. A higher skill in raising, a better selection of animals for crossing, a closer devotion to the principles of breeding, &c., &c., are the natural resultants of the introduction of high bred animals among the farmers who were accustomed to scout at a "pedigree" as "bragging of something under the ground." No words may be said too flattering of the efforts of the men who have, with a healthy enthusiasm and a glowing love of the thoroughbreds, sacrificed time, money and skill in imparting their ideas to the people, and endeavoring to incorporate them in the general mass of mind of all farmers. The results have been for good and for good only. Some have fancied one breed and some another. Some descant on the excellencies of the Short Horns for beef, others for the superiority of the Jerseys for butter; and so on to the end of the catalogue. All this has done a good service. It has improved the stock all over our State; and still the work goes on in the most satisfactory degree. There may be no step backward in this regard. Minnesota grasses, and grains, and soil, and climate, all conspire to meet the conditions necessary to the highest possible development. Diseases among cattle in this State are very rare.

DIVISION "C".

Sheep comes next on the list. Of these we had 77 entries, comprising Merinoes, Cotswolds, Lincolns and Southdowns. Sheep breeding in this State is not carried on on a very large scale; but there is no doubt in my mind but that sheep growing is or can be made not only productive but a great source of revenue, notwithstanding the low price of wool; and I have yet to find the first wool grower who will not say that his sheep made him better returns than his grain.

Of swine, in this same division, we have 68 entries, principally Berkshire and Poland China. A few very fine Suffolks and Essex were on exhibition. The general interest for the past few years to improve the breeds of swine, has been decisive, and it has a prominence that is gratifying to every one. Importations are of frequent occurrence, not only from other States, but even from foreign countries. But with the low price of pork there is nothing to stimulate the farmer in raising pork.

Of poultry we had 92 entries from the little diminutive game bantam to the large Asiatics. The different strains of blood were well represented. The same may be said of pigeons, of which we had a large number.

In grains and flour we had 214 entries, and the samples of all the grains were the admiration of all. Of vegetables we had 409 entries, our growers competing with our sister states, and bearing off the lion's share of blue ribbons. Especially noticeable in this department was the display of Hollister, Castle & Co., said by all to have been one of the best and finest exhibits ever shown by one exhibitor, and all were grown on their mammoth seed farm. The different railroads also had products grown along the line of their roads, as also of grains; and the people outside of our state must have been surprised and pleased at the kind, quality and quantity on exhibition.

Of dairy products we had a large and fine display and much finer quality than ever before, showing that our farmers were paying more attention to the manufacture of good butter and cheese. In this department were also the exhibits of sugar and syrup manufactured in this state from cane of our own production. This was a great feature of our exhibition and every attention was given to the manufacture of sugar and syrup on the grounds. As I learn that you have an article on sugar making in your report, will pass to the fruit department which was well represented, having 243 entries and the most of the fruit raised in the state. People from the east visiting the exhibition were surprised to learn that we could raise such fine fruit and raise it in such perfection. Time and space forbids me giving you a list of apples that were exhibited and the same of grapes.

Of flowers, the display was unusually fine and contained among the varieties some of the choicest plants that could be found.

Of fine arts the display was the largest and best, ever shown at any exhibition in the State, and comprised paintings from the hands of some of our best artists at home and abroad. Paintings of great value were freely contributed by the residents of St. Paul, to make this department one of the leading features of the Fair. How well they succeeded I will leave those that visited that department to say.

The display of the Merchants' Trade Building, was far ahead of anything ever attempted heretofore and was a credit to the merchants of St. Paul, as well as to the State at large. It would be utterly impossible for me to describe each exhibit, but suffice to say, that the Society are under many and deep obligations to the

merchants who, regardless of cost, contributed so freely to make this department what it was.

The Manufacturing Department was also a new feature of our Fair and attracted a large number of people. The manufacture of boots and shoes, of garments, printing and other work done by machinery was very fine, and drew its share of the visitors.

The display of machinery was much larger and better than ever before, and a larger variety. Exhibitors in this class were from all over the United States, even from Alabama. The different agents were on hand to explain the merits of their machine and pointing out the improvements over the machines of previous years, giving the farmers of our State an opportunity to judge of the merits of the different machines and see where he could lessen the labor of the farm by the introduction of improved machinery.

In fact the State Fair of Minnesota, held at St. Paul, 1878, was an exhibition to which all can look backward with pride, and feel that the State Agricultural Society has done much to further the interests of the farmer, the gardner, stock-raiser, and in fact all; for on the success of the farmer, etc., depends the welfare of our State.

Yours Truly,

R. C. JUDSON,
Secretary.

GOVERNMENT LANDS.

The following paper prepared by Gén, Jas. H. Baker, United States Surveyor General of this district, contains an interesting history of the public lands of this State, and valuable statistical information respecting their disposition, etc., and it is, therefore, given entire:

That portion of the United States which lies within the limits of the State of Minnesota, has a double origin as to its chain of title. The title to that portion of the State lying east of the Mississippi river came through Virginia, by reason of such ownership as flowed from priority of settlement under the auspices of Great Britain. Virginia was first settled with a colony from England, May 13, 1607, by a worthless and profligate set of adventurers sent out by James the First. The courageous and chivalric conduct of Captain John Smith alone saved the colony from utter disgrace. The final royal charter to the land, including all lands westward to the Pacific, was not issued till 1619, the very year the Dutch vessel brought the first slaves to Jamestown. So that it happens that the title to the eastern portion of our State had its origin in a settlement of the continent abounding in felons and noted as the original spot where slavery in America was first instituted. In 1784, Virginia ceded to the United States her claims to all lands, founded on the grant in the charter of 1619.

Title to that part of Minnesota lying west of the Mississippi originated with France, by right of discovery, La Salle having discovered the mouth of the great river in 1691. There was a previous discovery of the river by De Soto, in 1541; but no claim was made by Spain and a charter was granted to Iberville, in 1699, by Louis the XIV. In 1717, the country known as Louisiana passed, by royal grant, into the hands of John Law and his Mississippi Company; on the explosion of which it reverted to the French crown. It is interesting here to note that the first full exploration of the Mississippi river was made by the intrepid French voyageurs descending from our own region, as early as 1682, and that the first governor of Louisiana aided in fitting out the famous expedition of Monsieur Le Sueur into the "great Sioux country." So that we bore a part in the origin of our own title to the soil. The French ceded Louisiana to Spain in 1762. In 1800, Bonaparte, the first consul of France, induced Spain to retrocede Louisiana to France, and in 1803, Bonaparte sold it to the United States for \$15,000,000. The American flag first floated at New Orleans on the morning of December 20, 1803. Such is the chain of title which is the foundation of the present ownership.

Minnesota was organized into a Territory March 3, 1849, and the act admitting it as a State bears date February 26, 1857.

By the act of March 3, 1849, the north boundary of Iowa was fixed at 43 deg. 31 min. north latitude. This line was determined in the fall of 1849 by Capt. Thos. J. Lee, of the topographical bureau, and the line extended west by Capt. Talcott in 1852. The boundary between Minnesota and Wisconsin was run the last mentioned year by Geo. R. Stuntz, now of Duluth. The surveyor general's office was established at St. Paul, Minn., by the act of March 3, 1857, and was removed to St. Paul from Detroit on the 23d of May of the same year. This is the first and original surveyor general's office, which was established by congress, May 17, 1796, the bill having been signed by George Washington. The office was first established at Marietta, Ohio, and Rufus Putnam was the first surveyor general. In 1804 it was removed to Vincennes, Ind.; in 1805 to Cincinnati; 1814 to Chillicothe, Ohio; in 1829 back to Cincinnati; in 1845 to Detroit Mich; and finally May 28, 1857, so St. Paul Minn. The correspondence and important original papers have followed the office, and are now to be found in the St. Paul office, from Gen. Putnam's administration to the present time, and are full of interesting facts. The Territory of Minnesota was erected into a surveying district through the active exertions of the Hon. H. M. Rice, and a very exciting history is connected with the passage of the act, with which Toombs and Stephens, of Georgia, and George A. Jones, of Iowa, were intimately associated. The surveyor general's office of Iowa, to which we were then attached, entered largely into the politics of the day. The contest over the erection of Minnesota into an independent surveying district was exceedingly bitter. The provision of law authorizing it was only secured by placing it in the general appropriation bill. The first surveys in the Territory were made just north of the Iowa line, in the summer and fall of 1853, when Minnesota was attached to the Iowa office. John Quigly, John Parker and William B. Yerby were the first surveyors, and the first surveyor general for the State was Charles L. Emerson. The boundary lines having been established by the act authorizing a State government, we found ourselves in possession of an area of 53,459,840 acres. It is a matter of considerable interest to know just what has become of all these millions of acres, and to reflect upon the wisdom and methods of their distribution. These matters I propose to consider as the subject of this paper.

IMPORTANT EXPLANATIONS AS TO MERIDIAN AND BASE LINES IN THIS STATE.

The initial surveys in Minnesota were based on certain principal meridian lines, and from these lines we count the townships either east or west. Our surveys were begun on the fourth principal meridian, which commences in the center of the channel at the mouth of the Illinois river; and thence runs due north, and crossing Lake Superior, strikes Minnesota in township 61, north, in Cook county, and governs all our surveys east of the Mississippi river. The fifth principal meridian commences at the mouth of the Arkansas river, and thence, passing due north through Missouri and Iowa, to township 91 in Iowa, it there intersects the Mississippi river, and thence follows the river to the east boundary of township 136, north, range 25, west, in Minnesota, and thence it becomes the third guide meridian, north to the International Line. Thus the Mississippi river, as far as it is a great national highway, was adopted as the fifth principal meridian.

"These meridians are intersected by certain base lines, which serve to count the townships north and south. The base line east of the Mississippi, from which we count, is the boundary line between Illinois and Wisconsin, which is town 1, north, and strikes Minnesota at town 26, range 20, at the mouth of the St. Croix river. The base line west of the Mississippi, from which we count, is in Arkansas, passing east and west, near Little Rock. This is township 1 north, and thence it is just 600 miles, as the bird flies, to the southern boundary of Minnesota, being township 101, north. The meridian lines are very irregular, and tend to confuse; but if it is borne in mind that all townships numbering *less* than 100 are numbered from the fourth principal meridian, and all townships numbering *more* than 100 are numbered from the fifth principal meridian, this confusion may be partially avoided."

Let us now proceed to consider the various cessions of land by the general government to the State.

OUR SCHOOL LANDS—THEIR HISTORY.

The law and liberal rulings of the general government have given us a princely domain for the benefit of schools. By the ordinance of May 20, 1785, respecting the territory northwest of the Ohio river, and before the adoption of the constitution, the cause of education was wisely identified with the advance of settlements. It was then ordained that in every six miles square there should be established a public school, supported by a fund derived from a grant of section sixteen in every township. The policy of making the public lands contribute to the cause of education was thus early established. Such men as Benjamin Franklin and Dr. Benjamin Rush were mainly instrumental in engrafting this grand feature into our formative period.

Enlarging upon this idea at a later period, it was determined to increase the school concession to two sections to a township, granting the 16th and 36th, making in all, 1,280 acres in each township. Minnesota was among the first to receive the benefit of this new concession, and in the act of March 3d, 1849, organizing the Territory, it was enacted "that when the lands in said Territory shall be surveyed sections 16 and 36 in each township shall be, and the same are hereby reserved for the purpose of being applied to schools in said Territory, and in the States and Territories to be erected out of the same." And in the subsequent act of February 26th, 1857, authorizing the formation of a State government, this grant is preserved, and provides further, that where any of these sections have been sold or otherwise disposed of, the State shall receive other lands in lieu thereof. The liberal construction of these acts goes still further, for it is held by the proper authorities that the school sections shall be made good in even the water areas, and this, in our lake State, is a matter of very considerable importance, as we have no less than 2,700,000 acres of water areas. By a further liberal construction of the law we also secure the full allowance of two full sections for all fractional townships. It is further held that in the case of Indian reservations we shall receive lands either "in place," or indemnity lands selected elsewhere. We have thus received indemnity lands for the Lake Pepin reservation, and for the Winnebago and Sioux reserves, south of the Minnesota river. So that it results that our State will receive the eighteenth part of the entire area of the State for the purpose of supporting the public schools. This liberal and munificent grant has endowed Minnesota with a domain for educational purposes second to no other State in the Union. The whole area of the State, water

included, is 53,459,840 acres; the eighteenth part of which is 2,969,991 acres, and the fractional allowances will probably raise the whole amount to quite 3,000,000 acres, a domain for school purposes alone, nearly equal to the whole State of Massachusetts.

LANDS FOR THE PUBLIC BUILDINGS—THE HISTORY OF THE SELECTION.

The act authorizing the formation of a state government, granted ten sections of land to the state, "for the purpose of completing the public buildings, or for the erection of others at the seat of government." The elections for this purpose were made under the direction of Hon. H. H. Sibley, when governor of the state. Under this grant 6,395 acres being the whole amount due, have been certified to the state. No action has been taken in reference to these lands, and they are now available for the purposes granted. The history of the selection is as follows: In the summer of 1847, H. H. Sibley, then superintendent and partner of the great fur company of Choteau, Jr., & Co., in company with nine other gentlemen, made an extensive reconnoissance of the then unknown country north of the Minnesota river. Relying wholly upon their guns for subsistence, they took a wide range, and among other places, passed among the lakes of Kandiyohi, and were profoundly impressed with the beauty of the scenery, the loveliness of the lakes and the fertility of the soil. Subsequently when Mr. Sibley became governor of the state, the duty devolved on him to direct the selections of these public building lands, and remembering the exquisite beauty of the Kandiyohi region, he issued an executive order, bearing date August 23, 1858, appointing Pierre Bottineau and James D. Skinner commissioners to visit that lake region and there select the lands. This was done, and the wisdom of the selection can never be questioned. It will be remembered that, following this action, we had the interesting fiction abroad in this state, that this selection carried with it the final location of the state capital among the lakes of Kandiyohi. It will also be remembered that the legislature of 1869 passed a bill locating the capital at Kandiyohi, which was vetoed by Governor Marshall. Three years ago, another attempt was made, and the bill for the removal of the capital to Kandiyohi passed the senate, and in the house was killed in committee of the whole.

STATE UNIVERSITY LANDS.

In addition to this concession for the support of public schools two entire townships, or 72 sections, were appropriated by the act of Feb. 19, 1851, for the use and support of a state university, embracing 46,468 acres, as located. An additional grant of 72 sections, or 46,080 acres more, was authorized by the act of July 8, 1870, in which congress directed that Minnesota's claim for 72 sections of land as a state should be adjusted without reference to what had been reserved for that purpose when a Territory. This last statute, therefore doubled the university grant, making a total for university purposes of 93,548 acres. Under the first grant, the university lands were selected in 1854-5-6, by order of the regents, by John Rollins, B. B. Meeker and A. Van Vorhes. The selection under the second grant was begun under the direction of Gov. Austin, in 1870, but mainly completed, with scrupulous care, by Gov. Pillsbury.

THE ENABLING ACT—VALUABLE SERVICES OF HON. H. M. RICE.

The enabling act of Minnesota contains so many thoughtful provisions in reference to our public lands, that it is due to those whose wisdom prepared that document, that they should have honorable mention here. The Hon. Stephen A. Douglass was the chairman of the committee upon territories. The Hon. H. M. Rice was then in the house from the territory of Minnesota. The latter gentleman supervised the drafting of the bill and Senator Douglas adopted the work of Representative Rice. In this enabling act a provision was secured which was made the basis of the act of 1870, duplicating the university grant. For this we are indebted to Mr. Rice. And it may as well be noted here that it was to the active exertions of Mr. Rice, both in the house and subsequently in the senate, that we are indebted for the larger proportion of the land grants which have aided so materially in developing our state.

AGRICULTURAL COLLEGE LANDS.

By an act of July 20th, 1862, with its supplements, congress donated to every state, for each senator and representative to whom it was entitled under the apportionment of 1860, 30,000 acres of land for the endowment of colleges for the cultivation of agricultural and mechanical science and art. Under this act, Minnesota received 120,000 acres, but a considerable portion being double minimum lands, the state actually received but 94,439 acres. These princely grants for public schools, university and agricultural college, confer an empire upon Minnesota for school purposes alone, without an equal in the history of the world. These agricultural lands by act of the legislature bearing date March 5, 1868, were consolidated with those for the support of the state university, and their proceeds will be expended for the support of that institution. The agricultural college, which had been previously located near Glencoe, in the county of McLeod, by the act of 1866, was, by the subsequent act of Feb. 8, 1868, merged and consolidated with the state university, "near the Falls of St. Anthony."

The flood of agricultural scrip which was thrown upon the country by the act of 1862, establishing agricultural colleges for every State, was inimical of the general interests of this State in one particular. Our fertile lands invited speculators to locate their scrip in Minnesota to the full extent of the law, and 1,033,908 acres were located upon our best agricultural lands in an interest generally foreign to actual settlement. The selection of the agricultural college lands inuring to this State were made under the charge of the Hon. Charles McIlrath, who was appointed by the Governor as State agent to make selections under the grant. The parties directly engaged in making the selections in the field, were Col. John H. Stephens, J. P. Wilson, and the officers of the local land offices, and the lands were selected in 1863-64.

OUR SWAMP LANDS—THEIR HISTORY.

The origin of the policy of the national government granting swamp and overflowed lands to the several States, arose from the apparent necessity of aiding the States contiguous to the lower Mississippi in repairing their levees and constructing drains. And in 1849 a grant was made to the State of Louisiana of all her swamp and overflowed lands for this purpose. On the 28th of September, 1850, a similar grant was made to the State of Arkansas and other States, and finally,

by the act of March 12, 1860, the provisions of the act of 1850 were made applicable to the State of Minnesota. These lands have been the fruitful source, by conflicting claims, decisions and interests, of perplexity in their adjustment, both to the general and State governments. By virtue of the laws above recited, there have been selected for the State of Minnesota, since the date of grant, 3,134,589 acres. In addition to this we instituted a claim for 322,314 acres more, arising from conflicts with homestead, tree culture, scrip and railroad selections in past years. This claim has been confirmed by the secretary of the interior in a decision rendered December 4, 1877. When these conflicting claims shall have been finally settled, we will receive from the national government 3,453,903 acres of swamp lands. It is proper to observe, however, that of this amount, but 1,361,125 have been certified to the State. The swamp lands yet to inure to the State from pending and future surveys, will be very considerable in quantity, but not so good in quality as those heretofore received. There probably will be some valuable swamp lands in the pine areas tributary to the head waters of the St. Louis river, and some of the tributaries of streams flowing into Rainy Lake waters. But the fact should be noted that the State has received its best swamp lands. The munificence of the grant already made, more than rivals the school grants. Have we received proper compensation for the lavish manner in which they have been distributed? We have already granted of these lands to railroads 1,603,282 acres. The Cannon River Improvement Company is to receive 300,000 acres. Public benevolent institutions and schools were awarded 525,000 acres. And with some other inconsiderable grants, the residuary amount, by act of March 3, 1865, go to the Soldiers' Orphan asylum. Under a decision of the supreme court, rendered April 14, 1877, all grants made to railroads must be filed before other and later grants will be rendered available. The swamp lands inuring to the State are selected by the surveyor general from the field notes, and his selections are final.

THE SALINE LANDS—THEIR HISTORY.

By the act of February 26, 1857, authorizing the people of the Territory of Minnesota to form a State government, "all salt springs not exceeding twelve in number, together with six sections of land adjoining," were granted to the State for its use. Only 34,560 acres of the amount was found in surveyed areas. But even this amount was never fully realized, as the tardy certification on the part of the government allowed settlers to occupy a portion of these lands, and the State finally received but 26,435 acres. Of this amount the Belle Plaine Salt company received from the State 7,643 acres. The remaining portion, viz: 18,771 acres became available to the State, and the legislature, by act of March 10, 1873, transferred these lands to the board of regents of the State University, to be sold, and the proceeds thereof to be disbursed in the interest of the law authorizing a geological and natural history survey of the State. By a proper presentation of the facts to congress, there is but little doubt but that the effort would result in securing the uncertified portion of this grant, viz: 19,872 acres. It is an item well worthy of the attention of the authorities.

The history of this selection is as follows: In 1858 the Hon. H. H. Sibley, then governor, on the 23d day of August of that year, appointed Pierre Bottineau and James D. Skinner, commissioners to make selections of Salt Springs and the lands inuring thereto. Gov. Sibley's instructions for the work were drawn with that care and forethought which mark all his public transactions. On the 27th

of November of that year, the commissioners made a report to the governor, verified by their oaths, and said "that they have visited in person and examined said Salt Springs, and that they do exist on or adjacent to the lands designated, and are of the kind or description contemplated by the act of congress." These alleged springs lie in the northwestern part of Otter Tail and the eastern part of Wilkin counties.

INTERNAL IMPROVEMENT LANDS—THEIR HISTORY.

What are known as the internal improvement lands of the State amount to 500,000 acres of well chosen and valuable lands. On the 5th of November, 1872, a constitutional amendment was wisely adopted prohibiting any disposition of these lands, or their proceeds, except by such enactment of the legislature as should be approved by a majority of the people. This constitutional provision authorizes the sale of these lands the same as other State lands. The proceeds constitute an accumulating fund, interest compounding with principal, and now amounts to \$108,830. At one time the St. Paul & Pacific railroad contested the title to about 9,000 acres of these lands, but the contest resulted in favor of the State. There are a few pre-emption conflicts, but indemnity will be allowed for any of them which may hold good; so that now these lands, or their proceeds, remain intact for such use as the people of the State may deem best.

This grant was not special to our State, but the provisions of the general act of September 4, 1841, contained a section (8) which embodied a grant of 500,000 acres for the purpose of internal improvements to certain new States therein named, together with a proviso making the same principle applicable to such new States as might thereafter be admitted. This was long anterior to our formation even as a Territory. This act and its proviso was entirely overlooked by our State authorities till 1866, when the Hon. E. F. Drake discovered the provision of the law. He solicited of the then governor, William R. Marshall, the privilege of making application to the commissioner of the general land office in behalf of the right of the State under the law. Mr. Drake visited Washington, and speedily convinced the commissioner of the validity of our claim. On the subsequent application of the governor to the commissioner the grant was authorized. To Mr. Drake is justly due the credit of securing to the State these valuable lands, and no recognition of his services has ever yet been made. They are estimated to be worth \$2,500,000. By the act of March 4, 1870, a proposition was submitted to the electors of the State, to use these lands and the proceeds thereof in settlement of the old Minnesota State Railroad bonds. The proposition was ratified by the people, but the bonds required were not filed by the holders, and so the scheme failed. Out of 2,000 bonds required, only 1,035 were filed. Other schemes involving these lands for the same object have failed.

LANDS TO RAILROADS IN MINNESOTA.

The policy of granting lands in aid of the construction of railroads, was initiated by Congress in 1850, by a grant of two million and a half of acres to the State of Illinois, to aid in the construction of railroads in that State. At the date of the grant, half of the public lands in the State were vacant. So great was the impulse given to settlement by the railroads, that in fifteen years the United States retired as a landholder from that State. This policy, for many years pursued by Congress, marks the rise and progress of the railway system in the west,

and across the continent. How far the princely grant of lands to railroads, both by the national and State governments, in this State, has subserved the purposes intended, must be judged by the rapid development of our resources, and our remote geographical position. While too much has clearly been given in some cases, upon the whole, our astonishing progress would have been as nothing without the policy of land grants. It is further to be considered that these roads have been built in advance of the ability of the country to sustain them. But that we may see just what these roads have cost us in lands, we find that the land grants from the national government to this State make a total of 7,621,131, acres; the grant of swamp lands by the State amounts to a total of 1,450,133, making a grand total of 9,071,264, acres; and as we now have 2,195½ completed miles of railroad within the State, the building of which depended directly or indirectly upon the various land grants, we perceive that the roads have cost us just 4,132 acres per mile. And when the roads shall have earned all their grants they will have cost us 5,737 acres per mile. The munificence of these grants is without a parallel in the nation, and embraces an area as large as Massachusetts, New Hampshire and Connecticut; and embraces some of the finest wheat and agricultural lands in the world. These grants, both national and State, together with the dates of the acts conceding them, the number of acres possible under the grants, and the number of acres actually earned by each road, are here tabulated from later data than will elsewhere be found:

Name of Road.	Date of Congressional Acts Conferring Grant.	CONGRESSIONAL GRANT.		STATE GRANT OF SWAMP LANDS.		Date of Grant by State.
		Certified up to Dec. 31, 1877.	Possible Gr't	Decemb'r 31, 1877.	Possible Amount.	
First Division St. Paul & Pacific.	March 3, 1857; March 3, 1865; March 3, 1873.	1,134,938.37	1,313,960.96	.....	.....	.....
Branch Line St. Paul & Pacific..	March 3, 1857; March 3, 1865; July 12, 1862.	408,030.65	425,756.00	.....	.....	.....
St. Vincent Branch St. P. & P..	March 3, 1857; March 3, 1873; June 22, 1874.	753,347.62	780,291.75	.....	.....	.....
Minnesota Central	March 3, 1857; March 3, 1865.	173,546.11	173,546.11	.....	.....	.....
Winona & St. Peter	Mar. 3, 1857; Mar. 3, 1865; July 13, 1866; Jan. 13, '73.	1,678,804.47	1,678,804.47	.....	.....	.....
St. Paul & Sioux City.....	March 3, 1857; March 3, 1864; July 13, 1866.	{ 854,298.44	.....	.....	.....	.....
St. Paul & Duluth.....	July 13, 1866.	234,516.88	1,153,350.41	.....	.....	.....
Southern Minnesota.....	July 4, 1866.	837,918.89	1,680,400.00	533,704.26	694,400.00	March 8, 1861.
Hastings & Dakota.....	July 2, 1864.	338,358.59	551,988.10	35,042.29	35,042.29	Feb. 16, 1865.
Northern Pacific.....	July 2, 1864 and six amendatory acts.	24,958.94	168,790.81	.....	.....	.....
Stillwater & St. Paul.....	March 3, 1857.	1,083,052.35	2,918,400.00	.....	.....	.....
St. Paul & Chicago, River Div..	.....	65,113.64	80,938.82	.....	.....	.....
St. P. S. & T. F. ....	.....	.....	.....	398,986.55	461,440.00	March 6, 1862.
Duluth & Iron Range.....	March 3, 1857.	44,246.27	44,246.27	422,400.00	422,400.00	March 9, 1875.
		7,621,131.22	10,982,473.70	1,450,133.10	1,613,282.29	
		1,450,133.10	1,613,282.29			
Total amount already received from Congressional and State grants.....		9,071,264.32				
Total amount possible for roads to receive under all grants.			12,595,755.99			

There are some of our land grant roads to which the grants have expired by limitation, a portion of the roads not having been constructed within the period prescribed by law, and they are liable to lose the unearned portion of the grant, unless some further extension be given by Congress. Under the law these lands revert to the general government. The roads to which grants have lapsed by reason of non-completion are the St. Paul & Pacific, Brainerd branch, and the Hastings & Dakota. A decision recently given by the Supreme court declares that before the general government can reassert its sovereignty over such reversionary lands there must be some declaration of forfeiture, either by some judicial proceeding or by act of congress. Till this is done the title remains unimpaired in the grantee. The secretary of the interior has recently asked Congress to take the necessary action in these cases in order to restore the lands to the government.

GRAND RESUME.

To post the books and see just where we stand in the disposition of our lands, we find that we came into the inheritance of a vast domain, containing 53,449,840 acres; deducting the water areas, 2,700,000 acres, we had 50,749,840 acres of land, including Indian reservations. Of these lands, 39,282,418 acres have been surveyed, leaving 11,467,422 acres yet to survey. Of these surveyed lands the following disposition has been made, and this table will not be found elsewhere, and has been prepared with great care from official sources.

Disposition of Surveyed Lands.	Acres.
Cash sales and warrants.....	8,920,285.70
Homestead and timber culture acts.....	5,829,042.64
Agricultural college lands.....	1,033,908.75
Railroad grants, (certified,).....	7,621,131.22
Swamp selections, (approved,).....	1,361,125.13
Internal improvement.....	500,000.00
Schools.....	2,969,990.00
Universities.....	92,548.35
Indian scrip.....	244,672.29
Float scrip.....	400.00
Salines.....	26,435.00
Public buildings.....	6,400.00
Grand Total.....	28,605,939.08

NOTE.—These returns are up to June 30, 1877, except railroad lands, which are up to Dec. 31, 1877.

Of the thirty-nine millions of acres of surveyed lands, it will thus be observed that 28,605,939 have been disposed of, leaving 10,676,479 acres of the surveyed portions of the State yet undisposed of, and of both the surveyed and unsurveyed areas of the State, leaving a balance of 22,143,901 acres yet subject to disposition. The surveyed lands embrace the cream of our agricultural areas. Those which are in the hands of actual settlers go to create the State and fulfill their highest mission. Those which have gone as gratuities have been given with a lavish hand. But the bank account in that direction is about closed and but few more checks can be drawn. The areas yet to survey will bring to the market a few

agricultural lands in the counties of Polk and Pembina, some valuable pine on the tributaries of St. Louis and on waters flowing north to the Rainy Lake series, and, it is fully believed, rich minerals on the north shore of Lake Superior. In that superb lacustrine region will also be found the Switzerland of America, amid whose romantic lakes the tourist of the future will find diversion and health.

JAMES H. BAKER.

MANKATO, February 16th, 1878.

SURVEYOR GENERAL'S OFFICE,
ST. PAUL, MINNESOTA, JANUARY 22, 1879. }

J. P. Jacobson, Esq., Commissioner of Statistics:

DEAR SIR:—The total number of acres surveyed in this State, returned to this office from June 30, 1877, to January 1, 1879, is 508,847, making the grand total of acres surveyed in the State up to January 1, 1879, 39,791,265, leaving 10,958,575 acres yet to be surveyed.

The amount of lands disposed of by the U. S. Government in this State during the fiscal year commencing July 1, 1877, and ending June 30, 1878, according to the report of the Commissioner of the general land office, is as follows:

Cash sales and warrants.....	\$ 42,185 95
Homestead and timber culture acts.....	\$ 915,951 88

There are no other changes to be made in the statements regarding the public lands.

Yours respectfully,

B. C. BALDWIN,

Chief Clerk.

PUBLIC LANDS.

DIRECTIONS HOW TO OBTAIN THEM, FROM AN OFFICIAL SOURCE.

Citizens of the United States, or persons who have declared their intention to become such, who are heads of families or over the age of 21 years, can obtain public land of the United States under the homestead, pre-emption, or timber culture acts, in the following manner, viz.:

First—A citizen, or one who has declared his intentions to become such, can homestead 160 acres outside, or 80 acres inside, the ten mile limits of any railroad grant, by filing his application and affidavit, and within six months thereafter commencing settlement and improvement, and continuing the same five years.

Second—A soldier having served in the army or navy during the war of the rebellion for over ninety days can obtain 160 acres of any of the public lands by filing, himself or by an attorney, a declaratory statement, and within six months thereafter filing his affidavit and application commencing settlement and cultivation, and continuing the same for five years, less the time he served in the army or navy,

Third—A citizen or person who has declared his intention to become such, is entitled to 160 acres under the pre-emption law, by commencing settlement thereon, and within ninety days thereafter filing a declaratory statement continuing such settlement and improvement. And any time after six months or within thirty-three months from date of settlement, making proof and payment for the same at the rate of \$1.25 outside, and \$2.50 per acre inside, the ten mile limit of any railroad grant.

A person qualified as before can file his application and affidavit for 160 acres (under the timber culture act) of any of the public lands that are naturally devoid of timber, (provided that only one-fourth of any section can be taken under this act) and by breaking, planting, and keeping in growing condition ten acres of timber, twenty-seven hundred trees to be planted on each acre, and at least six hundred and seventy-five trees per acre to be living and thrifty at the time of making final proof; that is eight years after the original filing of the claim. If it is desired the timber claims may be limited to eighty or forty acres, the land actually planted in trees in each instance being not less than one-sixteenth of the area of the claim, with the same number of trees per acre as that given above. Parties who had made timber claims under the original act, which required one-fourth of the land to be planted in trees twelve feet apart, are allowed by the amendment to complete their claims under the act as amended. In other words, to have under cultivation at the time of making final proof, a number of trees equal to six hundred and seventy-five per acre on an extent of land equalling fully one-sixteenth of the area of the claim.

The government fees for entries under the several acts mentioned, are as follows, viz:

HOMESTEAD.

160 acres inside 10-mile limits.....	\$18 00
160 acres outside 10-mile limits.....	14 00
80 acres inside 10-mile limits.....	14 00
Soldiers' declaratory statement.....	2 00

PRE-EMPTION.

Declaratory statements.....	2 00
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TIMBER CULTURE.

More than 80 acres.....	10 00
80 acres or less.....	5 00

EXEMPTION LAWS OF MINNESOTA.

HOMESTEADS.

From the Statutes of 1866, page 498:

"That a homestead consisting of any quantity of land not exceeding eighty acres and the dwelling house thereon and its appurtenances, to be selected by the owner thereof, and not included in an incorporated town, city or village, or instead thereof, at the option of the owner, a quantity of land not exceeding in amount one lot, being within an incorporated town, city or village, and the dwelling houses thereon and its appurtenances, owned and occupied by any resident of this State, shall not be subject to attachment, levy or sale, upon any execution or any other process issuing out of any court within this State."

PERSONAL PROPERTY EXEMPTED.

In addition to the home, there is also exempted a proportionately liberal amount of personal property, consisting of household furniture, library, horses, cattle, sheep, hogs, wagons, farming utensils, provisions, fuel, grain, &c., &c., and all the tools and instruments of any mechanic, and four hundred dollars worth of stock in trade; also the library and implements of any professional man. See State Laws, page 489.

LANDS ENTERED AND SOLD IN 1878.

The total amount of lands entered and sold during 1878 is largely in excess of any preceding year.

United States lands entered under the several acts was.....	1,777,947.42
Railroad lands sold	430,900.00
State lands.....	133,399.05
Total.....	2,341,246.47

Table Showing Amount of Business of United States Land Offices in Minnesota in 1878.

LAND OFFICES—U. S.	Homestead Entries.	Final Homestead Entries.	Timber Claims.	Pre-emption and Soldier Claims.	Soldiers and Homestead Filings.	Cash and Script Sales.	Total.	Unclaimed Land in District. (Estimate.)
	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.
Benson.....	151,445.32	34,519.00	74,118.26	111,550.00	.....	43,177.88	414,810.46	75,000
Detroit.....	88,504.00	27,461.00	87,762.00	144,800.00	26,080.00	11,857.00	386,464.00	200,000
Duluth.....	3,556.26	5,169.77	.....	1,549.31	.....	3,812.78	14,088.12	6,750,000
Fergus Falls.....	106,844.92	42,489.27	78,943.02	83,200.00	25,940.00	4,293.96	*42,489.27	225,000
New Ulm.....	95,564.37	.....	52,573.30	95,160.00	.....	7,866.30	251,163.97	.....
Redwood Falls.....	57,463.00	29,255.00	44,482.00	96,480.00	.....	10,002.00	237,632.00	.....
St. Cloud.....	37,745.00	37,058.00	.....	41,000.00	.....	9,992.00	125,795.00	6,528,000
Taylor's Falls.....	5,991.68	12,379.62	.....	4,764.86	523.08	5,008.44	29,267.68	330,000
Worthington.....	62,273.64	63,334.79	38,043.57	31,780.00	22,980.00	10,819.47	229,231.47	.....
Totals.....	609,388.19	252,326.45	375,922.15	610,283.86	75,523.08	106,837.83	2,030,273.87	.....

*Final proofs.

UNITED STATES LAND OFFICE, }
 WORTHINGTON, MINN., December 4, 1878. }

Jno. P. Jacobson, Commissioner Statistics, St. Paul, Minn.:

DEAR SIR: In compliance with your request of November 20, 1878, I send you herewith the following statement of public lands entered at this office from December 1st, 1877, to December 1st, 1878:

	No. Entries.	Acres.
Homestead entries.....	609	62,273.64
Timber culture entries.....	310	38,043.57
Pre-emption, D. S.....	242	31,780.00
Soldiers, D. S.....	149	22,980.00
Final Homestead proofs.....	554	63,394.79
Cash proofs.....	139	10,819.47
Total.....	2,003	229,291.47

Yours, respectfully,

MONS. GRINAGER,
 Register.

UNITED STATES LAND OFFICE, }
 NEW ULM, MINN., Dec. 4, 1878. }

Hon. Jno. P. Jacobson, Assistant Secretary of State, St. Paul:

SIR: Replying to your letter of Nov. 20, 1878, I have to report the following as the number of acres of land entered at this office during the year ending with December 1st:

Under the Homestead Law.....	95,564.37
Under the Timber Culture Act.....	52,573.30
Under the Pre-emption Act.....	95,160.00
Sold for cash.....	7,866.30
Total number of acres.....	251,163.97

Very respectfully,

C. B. TYLER,
 Register.

UNITED STATES LAND OFFICE,
REDWOOD FALLS, December 2, 1878. }

Hon. John P. Jacobson, Commissioner of Statistics:

DEAR SIR—The business done in this office for 1878 is as follows :

Kind of Entry.	No.	Acres.
Pre-emption and Soldiers D. S.	689	96,480
Homestead Entries	601	57,463
Timber Culture Entries	345	44,482
Final Homestead Proofs	278	29,255
Cash	75	10,002
Total Entries and Acres	1,988	237,682

Respectfully,

WM. P. DUNNINGTON, Register,
WM. B. HERRIOTT, Receiver.

UNITED STATES LAND OFFICE,
BENSON, MINN., Dec. 3, 1878. }

Hon. John P. Jacobson, Commissioner of Statistics:

SIR:—In reply to yours of 30th ult., I would state that the following shows the number of acres of land entered at this office under the various land laws, for the eleven months ending Nov. 30, 1878:

Homestead entries	151,445.32
Final homesteads	34,519
Timber claims	74,118.26
Preemption claims	111,550
Cash sales (including warrants and scrip)	43,177.88
Total	414,810.46

I should estimate the amount of unclaimed lands in this district at not to exceed 75,000 acres.

Respectfully,

W. H. GREENLEAF,
Receiver.

UNITED STATES LAND OFFICE, }
 FERGUS FALLS, MINN., Dec. 13, 1878. }

Hon. John P. Jacobson, Commissioner of Statistics, St. Paul, Minn.:

DEAR SIR:—In reply to your letter of the 20th ultimo, I send you the number of acres of public lands disposed of at this office, from January 1, 1878, to November 30, 1878, inclusive:

Under the pre-emption law.....	83,200.00
Under the Soldiers' homestead declaration	25,940.00
Under homestead entries.....	106,844.92
Under timber culture entries.....	78,943.02
Under cash entries.....	4,293.96
Total number of acres.....	299,221.90
Approximate number of acres still subject to above.....	225,000

There have been 42,489.27 acres finally proved up and brought into taxation under the homestead law.

Yours, truly,

SOREN LISTOE,
 Register.

UNITED STATES LAND OFFICE, }
 TAYLOR'S FALLS, MINN., Dec. 7, 1878. }

J. P. Jacobson, Commissioner of Statistics:

Number of acres of land disposed of at this office from the 1st day of December, 1877, to the 30th day of November, 1878, inclusive:

Number of acres pre-empted.....	4,764.86
Number of acres entered as homesteads....	5,991.68
Number of acres proved up as homesteads....	12,979.62
Number of acres soldiers dec. statements.....	523.08
Number of acres cash and scrip.....	5,008.44
Total.....	29,267.68
Number of acres still subject to entry about 330,000.	

The name of Receiver is Geo. B. Folsom. The counties of this district are Ramsey, Worthington, Chisago, Isanti, Anoka, Mille Lacs, part of Sherburne, Pine, Kanabec, and part of Aitkin.

Respectfully yours,

J. P. OWENS,
 Register.

UNITED STATES LAND OFFICE,
DULUTH, MINN., December 2, 1878. }

Hon. J. P. Jacobson, Commissioner of Statistics, St. Paul, Minn.:

DEAR SIR—The entries of land made at this office during the year commencing December 1, 1877, and ending November 30, 1878, is as follows :

Class of Entries.	No. Entries.	Acres.
Original Homestead Entries.....	31	2,820.69
Final.....	68	5,169.77
Cash Entries.....	26	3,010.73
Soldiers' Additional Homestead Entries.....	9	735.57
Sioux Scrip Entries.....	6	722.05
Private Land Claim Entries.....	2	80.00
Pre-emption Filings.....	17	1,549.31
Total.....	159	14,088.12

This District is composed of the counties of St. Louis, Carlton, Lake and Cook, and Ranges No. 22 and 23 in Aitkin and Itasca counties. The officers are R. C. Mitchell, Register, and T. H. Pressnell, Receiver. There are over 6,750,000 acres still subject to pre-emption in the district, 4,000,000 of which are also subject to Homestead entries, and nearly 2,000,000 are subject to private or cash entry. The above total of course includes the entire area of the district still held by the government, both surveyed and unsurveyed.

Very respectfully,

Your obedient servant,

T. H. PRESSNELL, Receiver.

UNITED STATES LAND OFFICE,
ST. CLOUD, MINN., Nov. 27, 1878. }

J. P. Jacobson, Esq., Commissioner of Statistics, St. Paul:

DEAR SIR:—In reply to yours of 10th inst., you are advised that the entries at this office for the year ending Dec. 1, 1878, are as follows:

Homesteads.....	37,745
Final proofs.....	37,058
Pre-emptions.....	41,000
Cash entries.....	9,392
Scrip entries.....	600
Total.....	125,795

Government lands in district (estimated), 6,528,000 acres.

The names of the officers of this land district are Wm. B. Mitchell, Receiver, and the undersigned as Register.

Very respectfully,

J. V. BROWER,
Register.

UNITED STATES LAND OFFICE, }
DETROIT, MINN., Dec. 4, 1878. }

Hon. John P. Jacobson, Commissioner of Statistics, St. Paul, Minn.:

DEAR SIR:—The following is the amount of business done at this office from the 1st day of December, 1877, to the 30th day of November, 1878, inclusive:

Class of entries.	Number.	Acres.
Homestead.....	827	88,504
Final homesteads.....	255	27,461
Timber Culture.....	647	87,762
Cash.....	183	11,857
Pre-emption filing.....	1,168	144,008
Homestead ".....	163	26,080
	3,243	386,464

This land district is composed of the following counties: Becker, Clay, Polk, Kittson and Town 137, ranges 36 to 43 inclusive, in Otter Tail.

I should estimate the unclaimed surveyed government land in this district to be about 200,000 acres. One-half of Kittson county is unsurveyed and about 10 townships in Polk.

Yours truly,

THOMAS SHAPLEIGH,
Register.

RAILROAD LANDS.

Hon. John P. Jacobson, Commissioner of Statistics, St. Paul, Minn.:

DEAR SIR: Pursuant to your request of the 20th ult., I submit the following statistics of the lands granted to the Winona and St. Peter Railroad Company in southwestern Minnesota. The company offers for sale in the following named counties the number of acres set opposite to each. It is quite impracticable to give the average price, but the sums named in the following table give the general range of the prices by counties:

Yellow Medicine Co.....	225,293	acres, at from \$2.00 to \$8.00 per acre.
Lyon Co.....	185,889	“ “ 3.00 to 9.00 “
Lincoln Co.....	105,359	“ “ 3.00 to 6.00 “
Lac qui Parle.....	85,989	“ “ 2.00 to 5.00 “
Murray.....	63,652	“ “ 3.00 to 7.00 “
Redwood.....	37,815	“ “ 4.50 to 6.00 “
Total.....	703,997	

Only a very few pieces are more than \$6.00 per acre, and they are in close proximity to towns or important stations.

These lands constitute a high, rolling prairie, traversed by numerous streams and dotted with beautiful lakes. There are, within the limits of this grant, absolutely no waste lands. The grant was only of the odd numbered sections, and some of these the company did not obtain, as they had been disposed of by the government before the location of the line, so that there remained within the limits of the grant, more than an equal quantity of land subject to homestead and pre-emption entry. From the foregoing statement, it will be seen that there are, within the limits of this grant, in the six counties named, enough first-class farming lands, allowing 160 acres to each farm, to sustain a population of more than 10,000 families, or 50,000 souls, without taking into account the towns and villages. Believing that an enlightened policy would rather seek the speedy development of the country than obtain high prices for the lands, this company offers its lands at low prices and on such easy terms that a man of very moderate means can readily obtain a home. There still remains in these counties a considerable amount of government land subject to pre-emption and homestead entry. The company offers its lands for sale on the following terms:

The first year one-fifth cash, with interest in advance at six per cent. on the balance of the purchase price. The second year interest only, in advance, on the balance of the purchase price. The balance of the purchase price in two, three, four and five years, with interest in advance each year on unpaid balances—excepting the last year which is one fifth of the purchase price only.

The purchasers' account would stand as follows, supposing he contracted for 40 acres of land on the above terms at \$5.00 per acre.

PAYMENTS.	Purchase Price.		Interest		Total.	
	Dolls.	Cts.	Dolls.	Cts.	Dolls.	Cts.
1st payment made at date of sale.....	40	00	9	60	49	60
2d " 1 yr after " "	40	00	9	60	9	60
3d " 2 yrs " " "	40	00	7	20	47	20
4th " 3 yrs " " "	40	00	4	80	44	80
5th " 4 yrs " " "	40	00	2	40	42	40
6th " 5 yrs " " "	40	00	.....	.....	40	00
Total payments made.....	\$200	00	\$33	60	\$233	60

12½ per cent. will be deducted from the purchase price for all cash, and the same land may be purchased for \$175 cash down at date of purchase.

Numerous towns have sprung up along the line of the road. These are rapidly increasing in population and offer superior opportunities for the transaction of profitable business. I am unable to give reliable statistics of the growth of this part of the state during the last year, but from such data as I have I am confident that not less than a thousand families have settled in these counties during that period, and my own observation is, that a better class of settlers cannot be found in the west.

Very truly yours,

CHAS. E. SIMMONS,
Land Commissioner.

SOUTHERN MINNESOTA RAILROAD LANDS.

SOUTHERN MINNESOTA RAILROAD, LAND DEPARTMENT, }
LA CROSSE, WIS., December 30, 1878. }

Jno. P. Jacobson, Esq.:

DEAR SIR:—You ask information regarding the unsold lands of this company. I give the acreage in each county, with a few short descriptive notes going to show that we claim to have one of the innumerable "gardens of the West."

HOUSTON COUNTY..... 7,930 acres.

Good farming county. Excellent lands, timber and water plenty. Bluffs ditto.

FILLMORE COUNTY..... 2,980 acres

One of the richest farming counties in the State. Surface diversified. Watered by the Root river and its tributaries, on which are some forty flouring mills in the county.

WINONA COUNTY..... 3,707 acres.

Lands are about like those last above described, diversified.

WABASHA COUNTY.....	160 acres.
The same.	
OLMSTED COUNTY.....	180 acres.
These are prairie.	
MOWER COUNTY.....	80 acres.
Prairie.	
FREEBORN COUNTY.....	9,636 acres.
Undulating and has timber and good water.	
FARIBAULT COUNTY.....	28,966 acres.
All excellent prairie.	
WASECA COUNTY.....	40 acres.
Prairie.	
BLUE EARTH COUNTY.....	160 acres.
Prairie.	
MARTIN COUNTY.....	27,849 acres.
This and Jackson counties are not surpassed for their beautiful lands, well watered by lakes and streams. Colonies are now taking the lands, which are offered in whole sections or quantities to suit purchasers.	
JACKSON COUNTY.....	17,470 acres.
Jackson, the county seat, is now the terminus of the S. M. Ry., and a thriving town on the DesMoines river.	
COTTONWOOD COUNTY.....	37 acres.
Prairie.	
ROCK COUNTY.....	31,400 acres
Good prairie. Railroad finished through this, which must bring the lands into requisition speedily.	
NOBLES COUNTY.....	800 acres.
Same description.	
PIPESTONE COUNTY.....	20,480 acres
Undulating prairie, with many lakes and streams.	
MURRAY COUNTY.....	320 acres.
Prairie. Well watered.	
LINCOLN COUNTY.....	39,608 acres.
Fine county. Timber about Lake Benton and other lakes.	
LAC QUI PARLE COUNTY.....	240 acres.
Prairie.	

We offer these lands at prices ranging from \$4 to \$10. When sold on contract, one-fifth to one-fourth required down, the balance payable in three to five yearly installments, with seven per cent. interest. For cash, a discount of ten per cent. is allowed. Prices on all of the unsold lands were reduced nearly one-half during the year 1878.

The Southern Minnesota Railway is now completed and cars regularly running between LaCrosse and Jackson.

Very truly yours,

M. CONANT,
Land Agent S. M. Ry.

NORTHERN PACIFIC RAILROAD COMPANY.

NORTHERN PACIFIC RAILROAD COMPANY,
LAND DEPARTMENT,
ST. PAUL, MINN., December 9, 1878. }

J. P. Jacobson, Esq., Commissioner of Statistics:

DEAR SIR—Your late favor asking for statistics similar to those furnished Commissioner Metcalf a year ago received, and in reply would say that we now have for sale in Minnesota lands situated as follows :

	Acres.
St. Louis county.....	143,000
Mille Lacs.....	90,000
Aitkin.....	217,940
Crow Wing.....	82,390
Cass.....	531,620
Morrison.....	6,870
Todd.....	33,070
Wadena.....	101,660
Otter Tail.....	98,440
Becker.....	152,010
Polk.....	36,660

The railroad lands in western part of Otter Tail and Polk, and in Wilkin and Clay counties that, by reason of dispute between the St. P. & P. Company and the Northern Pacific, have for the past four years been out of the market, are now by the terms of an agreement between the two companies placed in the hands of a special commission, E. Sawyer, Esq., for sale, thus opening for occupancy some 400,000 acres of the very best lands in Minnesota.

The lands of the Western Railroad Company, some 275,000 acres, and situated in the counties of Benton, Morrison, Todd and Crow Wing, all in the Upper Mississippi Valley, but lately coming into market, offer fine opportunities for settlement.

For such further notice of the country traversed by our road as you may wish to publish, I cannot do better than refer you to the matter given to Mr. Metcalf and again republished in the State Immigration Pamphlet, as the description there given is as full and correctly stated as can be.

Yours truly,

JAMES B. POWER, Gen'l Agt.

ST. PAUL & DULUTH RAILROAD COMPANY.

The Saint Paul & Duluth Railroad Company offers for sale upwards of one million acres of agricultural lands.

The lands are sold in tracts of forty acres and upwards, for cash or on long credit; a liberal deduction being made for entire cash payment.

When lands are sold on credit the terms are as follows: Sold on eight years time; first installment, one-eighth of principal and interest on balance at seven (7) per cent. for one year; residue of principal payable in seven (7) equal annual installments, with interest in advance as above, the purchaser having the right to pay up in full at any time he desires, thereby saving the payment of interest.

The lands offered for sale are situate in the several counties, viz:

	Acres.
St. Louis.....	175,000
Carlton.....	165,000
Pine.....	410,000
Chisago.....	10,000
Aitkin.....	150,000
Kanabec.....	105,000
Isanti.....	35,000
Mille Lacs.....	48,000
Cook.....	7,000
Lake.....	9,000
Crow Wing.....	30,000
Morrison.....	34,000
Benton.....	8,000
Sherburne.....	4,000
Anoka.....	9,000
Washington.....	1,000
Making a total of.....	1,200,000

In reference to the character of these lands, with respect to soil, timber, water, &c., the following is appended:

ST. LOUIS COUNTY.—Chiefly pine; well diversified by streams, rendering logging operations easily available. Good specimens of copper have been found near the St. Louis River; also, excellent slate quarries in several localities.

CARLTON COUNTY.—Extensive tracts of pine throughout the county. Good agricultural lands on the borders of the streams.

PINE COUNTY.—As its name indicates the lands in this county are covered principally with pine, with hardwood interspersed. Excellent agricultural lands in different localities along the line of railroad and on the borders of the several streams and lakes.

CHISAGO COUNTY.—Excellent farming lands with considerable amount of meadow. Also a variety of hardwood timber of excellent quality. There are fine cranberry marshes in places. This county is well settled.

AITKIN COUNTY.—Good pine with cedar and tamarac interspersed. The marshes may be utilized by drainage and converted into excellent hay land. The cedar and tamarac is excellent material for fencing, &c.

KANABEC COUNTY.—Pine and hardwood timber, with good agricultural lands in the southern portion of the county. Some fine hay meadows in the southern and central parts of this county.

ISANTI COUNTY.—Excellent farming lands. The greater portion of this county is covered with hardwood timber of the usual varieties pertaining to this State. There are many excellent marshes suitable for the cultivation of cranberries. This county is well settled.

MILLE LACS COUNTY.—Considerable pine of good quality in the northern part. Hardwood throughout the county, but principally in the central and southern portion. Very fair agricultural lands in the southern part of the county.

COOK COUNTY.—Pine and mineral lands. There are but few settlers.

LAKE COUNTY.—Same as Cook county.

CROW WING COUNTY.—Pine in the eastern portion. Some prairie in the southwest part, excellent for farming purposes.

MORRISON COUNTY.—A little pine in the eastern part of the county. The balance of the county is good farming lands. Slightly rolling in the central part, and mostly prairie in the western portion. Also natural hay meadows in the eastern and central parts of the county.

BENTON COUNTY.—About the same as Morrison county, with the addition of good hay lands throughout the county.

SHERBURNE COUNTY.—The land is more rolling than either Morrison or Benton counties. Hardwood in the eastern and central portions. Fair farming lands. A few marshes.

ANOKA COUNTY.—This is an old settled county. Good farming and grazing lands; also very excellent meadow lands.

WASHINGTON COUNTY.—The lands in this county are chiefly agricultural and natural hay meadows, and some portions covered with good growth of hardwood timber.

The heavy timber which covers so large a portion of the lands of the St. Paul and Duluth Railroad Company shelters them from the strong winter winds, and renders them capable of raising winter wheat of the first quality, while spring wheat is sown with as equal a certainty of yield as in any other portion of the state. Corn, rye, oats, barley and all the vegetables are grown with great facility, and will amply repay the farmer for the labor bestowed upon them.

The hardwood lands, so called, are interspersed with natural meadows or grazing lands, which afford excellent facilities for grazing purposes, and will make the finest stock farms in the Northwest. Hay in abundance for keeping stock during the winter may be had for the cutting; the nutritious quality of the grass being such that cattle do not require grain. Red top and blue joint grow naturally wherever the timber is cut and clearings made, reaching a height of seven feet and cutting from three and a half to four tons per acre.

Within the past few years quite a number of settlers taking advantage of the facilities for grazing and other requisites that abound along this road for stock raising purposes have taken lands and are successfully raising the finer grades of stock for market. Large numbers of cattle are fattened for the various markets along the line of the St. Paul and Duluth Railroad and the mining towns on Lake Superior. Large quantities of hay (which is becoming an important article of trade) are also transported to the same points.

There are a number of special hay markets throughout this region, where baling for shipment is carried on largely, and where there is ready sale for the wood and ties and other products of the timber lands.

With a good market, plenty of work the entire year and good crops without failure, as a matter of course the people are prosperous. It could not be otherwise. Those who started in this part of the State a few years ago with little or nothing are now generally well-to-do, and settlers who have come in later are fast acquiring a competency.

Although the winters of Minnesota are apparently longer, the actual number of days during which stock has to be fed here is no greater than in Ohio and Illinois. All stock requires shelter during the winter in this climate, but no more so than in Indiana, Ohio or Illinois; the chilling winter rains of those States being far more injurious to stock than the severest cold of this State. Timber being close at hand, strong warm buildings for the shelter of stock may be erected at very small cost, while abundance of clear, fresh water being supplied from numerous lakes and running streams, present advantages that will make the business of stock raising among the most profitable in the State.

To open and cultivate a prairie farm with profit requires an immense outlay, far beyond the average means of settlers, and is too often but a hazardous experiment. The cost of machinery, buildings, fences, labor, and, more than all, of transportation to market, reduces very greatly, in all cases, the products of each year; while the want of timber for building purposes, or shelter for stock, or for fuel, the scarcity and expense of furnishing water in large quantities for stock, add to the embarrassment and cost of production.

The lands of this company, diversified by timber, brush, prairie and meadows, with abundance of fresh water, present advantages which are possessed by no other lands in the State, while their nearness to market adds to the value of their productions from year. The cost of transportation of grain to market being a large item in the expense of production, it follows, as a general rule, that the nearer grain is raised to the place of shipment the greater its value to the farmer. The terminus of the St. Paul & Duluth Railroad at Duluth being practically no further from the markets of the East and of Europe than the city of Chicago, and the price of grain in the West being regulated by the price on the Atlantic seaboard, it follows that grain raised along the line of the St. Paul & Duluth Railroad will equal in value (apart from its superior quality) grain raised in the State of Illinois equally distant from Chicago. Ten cents saved in sending a bushel of wheat to market adds \$2.50 per acre to the product of every acre of wheat land; and what is true of this will apply also to all agricultural productions, and demonstrates that the value of lands depends largely upon the price at which their products can be carried to market.

It requires, also, but very little outlay to commence and operate a farm on the line of this road. Good, substantial and comfortable houses can be built at the mere cost of the labor required to erect them; game of all kinds is found in abundance; the lakes and streams of water abound in fish; the products of the farms find ready sale; the lumber region will furnish them with employment during the winter season; besides, the new settlers constantly arriving and settling among them will add to the present and prospective value of their possessions. From these facts it will be seen that a farm near the line of this road will pay as well as in any other part of the state, and not only for the present but for all time to come.

PHILIP S. HARRIS.

ST. PAUL AND CHICAGO RAILWAY LANDS.

Showing the counties in which their lands are located and the approximate number of acres in each county:

Aitkin.....	26,360
Blue Earth.....	320
Brown.....	828
Big Stone.....	3,720
Cottonwood.....	383
Carver.....	540
Cass.....	32,240
Clay.....	640
Chippewa.....	5,000
Dodge.....	113
Douglas.....	10,960
Freeborn.....	12,972
Faribault.....	5,601
Grant.....	4,280
Goodhue.....	480
Houston.....	2,822
Hennepin.....	156
Itasca.....	357
Jackson.....	3,211
Kandiyohi.....	7,840
Le Sueur.....	6,080
Lyon.....	2,976
Lincoln.....	964
Lac qui Parle.....	713
Mower.....	40
Martin.....	6,431
Murray.....	1,111
Meeker.....	3,160
Morrison.....	15,000
Nobles.....	2,268
Nicollet.....	1,364
Otter Tail.....	64,280
Pipe Stone.....	359
Pope.....	12,400
Rice.....	717
Redwood.....	3,197
Renville.....	20,240
Swift.....	7,560
Stearns.....	29,200
Stevens.....	2,320
Steele.....	1,240
Scott.....	835
Sibley.....	5,800
Traverse.....	2,600
Todd.....	56,280

Waseca.....	239
Watonwan.....	80
Wright.....	546
Wadena.....	19,760
Wilkin.....	6,480
Wabasha.....	3,000
Yellow Medicine.....	1,658
	<hr/>
	393,321

There yet remains unsold of Minnesota Central Railway lands about 25,000 acres, chiefly in the counties of Scott, Steele, Dodge, Mower and Freeborn.

The Hastings and Dakota Railway grant of land is about 325,000 acres. The road is just completed from Glencoe to Montevideo, a distance of eighty-five miles, which will entitle the company to about 650,000 acres in the counties of McLeod, Sibley, Renville, Chippewa, Yellow Medicine and Redwood.

G. E. SKINNER,
Land Commissioner.

ST. PAUL AND PACIFIC RAILROAD LANDS.

Branch line received from Congressional grant.....	405,756.05
Number of acres yet to inure from Congressional grant.....	20,000.00
Average price per acre, \$3.00 to \$4.00.	
Main line received from Congressional grant.....	1,130,072.96
Yet to inure from Congressional grant.....	183,888.47
Average price per acre, \$6.00 to \$6.30.	
St. Paul and Pacific and Red River and Manitoba railroad received from Congressional land grant.....	753,747.07
Yet to inure from Congressional land grant.....	1,294,252.33

COMMERCE AND MANUFACTURES.

The design of the following statements is to give such description of each county, as will convey, together with what appears in the Agricultural and Vital departments of this report, a general idea of its future capabilities, and present stage of material and social development. As there is no provision of law, imposing the duty of gathering and transmitting such information to this Bureau on any local officer, the Commissioner could only hope to obtain it through the courtesy of such individuals, as he supposed to be in positions enabling them to obtain it without serious inconvenience to themselves. He accordingly prepared and sent to the County Auditors and Town Clerks of every organized county and town in the State, blanks containing such questions as would elicit the information desired. The statements will show how fully these were replied to, and the Commissioner takes occasion here to acknowledge his obligations to the auditors of the counties and clerks of the towns named in the following pages. Also, to the municipal officers and secretaries of boards of trade, who, in the instances mentioned hereafter, have contributed such information respecting their several localities.

NOTE.—In the following summaries for the several counties, that portion of the information below the side headings, "Townships Reported," is furnished by the clerks of the towns named, and refers only to those towns and not to the counties.

Aitkins County—Unorganized.

Land Surface, 1,155,612.94 acres.

Taxable lands, 48,938 acres.

Assessed valuation of real and personal property, \$124,427.

Railway lines, 1; miles, 48.

No. School Districts, 1; No. school houses, 1; No. scholars enrolled, 25.

Business Houses—General stores, 1; not enumerated, 2.

Post Offices—Aitkin, Yellow River.

Trades and Manufactures—Carriages and Wagons, 1.

Anoka County—Anoka, County Seat.

Organized Townships, 14.

Land surface, 289,696.78 acres.

Taxable lands, 187,949 acres.

Cultivated lands, 12,946 acres.

Increase of cultivated lands during the year, 1,764 acres.

Bushels wheat produced in 1877, 57,655.

Assessed valuation of real and personal property, 1,497,309.

Farms in county, 598.

Railway lines, 1; miles, 22.

No. School Districts, 42; No. school houses, 35; No scholars enrolled, 1,608.

Births during 1877, 225.

Deaths during 1877, 59.

Business Houses—Agricultural Implements, 1; Boots and Shoes, 2; Confectioners, 1; Clothing, 2; Drugs, 3; Dry Goods, 4; Furniture, 1; Groceries, 9; Hardware, Stoves and Tinware, 2; Millinery, 3; Photographic stock, 2; Watches and Jewelry, 1; General Stores, 5; Professions, 8; Banks, 1; Not enumerated, 40.

Trades and Manufactures—Boot and Shoemakers, 2; Carriages and Wagons, 3; Clothing, 2; Coopers, 1; Flour Mills, 4; Gunsmiths, 1; Harness, 1; Planing Mills, 2; Sash, Doors and Blinds, 1; Saw Mills, 5; Tin and Sheet Iron, 1; Blacksmiths, 9; Carpenters, 6; not enumerated, 3.

Post Offices—Anoka, Bethel, Burns, Centreville, Coon Creek, Itaca, Linwood, Manomin, Oak Grove, Oak Springs. St. Francis.

Becker County—Detroit City, County Seat.

Organized townships, 12.

Land surface, 839,605.50 acres.

Taxable lands, 131,543 acres.

Cultivated land, 10,416 acres.

Increase of cultivated land during year, 1,967 acres.

Bushels wheat produced in 1877, 53,225.

Assessed valuation of real and personal property, \$800,000.

Farms in county, 416.

Bonded indebtedness of the county, \$20,000.

Railway lines, 1; miles, 30.

No. school districts, 25; No. school houses, 11; No. scholars enrolled, 531.

Births during 1877, 100; Deaths during 1877, 17.

Business Houses—Agricultural Implements, 1; Confectioners, 1; Drugs, 3; Furniture, 1; Grain, 1; Hardware, Stoves and Tinware, 1; Lumber, Lath and Shingles, 1; Millinery, 1; General Stores, 13; Professions, 7; Banks, 1; Not enumerated, 20.

Trades and Manufactures—Boot and Shoemakers, 1; Carriages and Wagons, 3; Coopers, 1; Flour Mills, 2; Gunsmith, 1; Harness, 1; Printers, book and job, 1; Saw Mills, 2; Blacksmiths, 6; Carpenters, 7.

Villages, 6.

Flour and grist mills, 5; Run of stone, 12; Men employed, 10.

Saw mills, 3; Lumber manufactured, 2,500,000 feet; Men employed, 35.

Wheat elevators, 6; Capacity, bushels, 20,000; Men employed, 12.

Newspapers published, Detroit Record; Men employed, 2; Language, English; Circulation, 500.

Post Offices—Audubon, Carmorant Mills, Detroit City, Frazee City, Lake Park, Richwood, White Earth.

Townships Reported—Richwood and Lake View.

Religious denominations—Lutheran and Episcopalians; membership, 189; value of structures, no churches reported.

Villages, Richwood; Population estimated at 45.

General merchandise stores, 2; value stock, \$3,000; Persons employed, 3.

Hotels, 1.

Blacksmith shops, 1; persons employed 1.

Population—500, comprising Scandinavians, Canadians and Americans.

Lakes, Detroit, Melissa, Sally, Buffalo and Gabriel.

Streams, Pelican river.

Beltrami County—Unorganized and not Surveyed.

Total area, 1,981,460 acres, (estimated.) There is 1,088,640 acres of this county included in the Red Lake and Pembina Indian reservation.

Taxable lands, 29,843 acres.

Assessed valuation of real and personal property, \$56,570.

Post Office—Red Lake.

Benton County—Sauk Rapids, County Seat.

Organized townships, 9.

Land surface, 257,798.

Taxable land, 133,265 acres.

Cultivated land, 5,909 acres.

Increase of cultivated land during the year, 1,569 acres.

Bushels of wheat produced in 1877, 37,496.

Assessed valuation of real and personal property, \$639,726.

Farms in county, 256.

Bonded indebtedness of the county, \$20,000.

Railway lines 1; miles 25.

No. school districts, 22; No. school houses, 18; No. scholars enrolled, 642.

Births during 1877, 87; Deaths during 1877, 20.

Villages, 3.

Flour and Grist Mills, 2; Run of stone, 7; Men employed, 12.

Wheat elevators, 1.

Newspapers published, 2; Men employed, 4; Language, English; Circulation, 600.

Business Houses—Drugs, 2; Grain, 1; Hardware, Stoves and Tinware, 1; Millinery, 1; General stores, 6; Professions, 3; Not enumerated, 16.

Trades and Manufactures—Boots and Shoemakers, 2; Carriages and Wagons, 1; Flour Mills, 2; Furniture 2; Harness, 1; Machinists, 1; Saw Mills, 2; Blacksmiths, 4; Carpenters, 2.

Post Offices—Duelm, Maywood, Rices, Sauk Rapids, Watab.

Townships Reported—St. George.

Religious denominations, Catholics; Membership, 500; Value of structure, \$200.

Population—600, comprising Germans, Poles, Irish and Americans.

Streams, Stony Creek.

Big Stone County—Unorganized.

Prairie, with little timber, skirting lakes and streams.

Organized townships.

Land surface, 296,490.26 acres.

Taxable lands, 7,670 acres.

Cultivated lands, 2,957 acres, (estimated.)

Bushels wheat produced in 1877, 22,740 (estimated.)

Assessed valuation of real and personal property, \$84,521.

No. School Districts, 126; No. school houses, 122; No. scholars enrolled, 50.

Births during 1877, 20.

Deaths during 1877, 3.

Business Houses—Agricultural Implements, 1; Hardware, Stoves and Tinware, 1; Lumber, Lath and Shingles, 2; Mill Machinery and Railroad Supplies, 1; General Stores, 5; Professions, 5; not enumerated, 7.

Trades and Manufactures—Carriages and Wagons, 1; Blacksmiths, 3; Carpenters, 2.

Post Offices—Artichoke Lake, Big Stone, Central, Custer, Holmslie, Lake Tokua and Ortonville.

Blue Earth County—Mankato, County Seat.

Prairie, with considerable timber, bordering Minnesota river and other streams.

Organized townships, 23.

Land surface, 476,450.64 acres.

Taxable lands, 453,855 acres.

Cultivated lands, 126,295 acres.

Increase of cultivated land during the year, 35,786 acres.

Bushels wheat produced in 1877, 727,855.

Assessed valuation of real and personal property, \$7,630,837.

Farms in county, 1,956.

Bonded indebtedness of the county, \$175,000.

Railway lines, 3; miles, 80.

No. School Districts, 126; No. school houses, 122; No. scholars enrolled, 6,092.

Birth during 1877, 605.

Deaths during 1877, 201.

Villages, 11; cities, 1.

Business Houses—Agricultural Implements, 5; Booksellers, Stationers, 3; Boots and Shoes, 11; Butter, 1; Coal and Wood, 1; Commission Merchants, 1; Confectioners, 3; Clothing, 4; Drugs, 7; Dry Goods, 1; Flour and Feed, 1; Fruits, foreign and domestic, 1; Furniture, 5; Grain, 6; Groceries, 21; Hardware, Stoves and Tinware, 10; Hides, Pelts, &c., 3; Lime, Plaster and Cement, 3; Lumber, Lath and Shingles, 5; Mill Machinery and Railroad Supplies, 1; Millinery, 5; Photographic stock, 3; Pianos and Organs, 1; Saddlery Hardware, 1; Sewing Machines, 2; Watches and Jewelry, 2; Wines and Liquors, 4; Not enumerated, 116; Elevators, 3; General Stores, 46; Professions, 40; Banks, 3.

Trades and Manufactures—Agricultural Implements, 1; Boilers, 2; Boot and Shoemakers, 6; Breweries, 4; Bricks, 2; Brooms, 2; Carriages and Wagons, 15; Cigars, 2; Clothing, 6; Coopers, 3; Flour Mills, 16; Foundries, 2; Gunsmiths, 1; Harness, 9; Marble, 2; Newspapers, 4; Planing Mills, 1; Printers, book and

job, 1; Saw Mills, 4; Tin and Sheet Iron, 1; Blacksmiths, 20; Carpenters, 7; Not enumerated, 15.

Flour and Grist Mills, 15; run of stone, 37; men employed, 60.

Saw Mills, 8; lumber manufactured, 1,100,000 feet, reported by townships; men employed, 25.

Wheat Elevators, 4; Warehouses, 18; capacity elevators, bushels, 90,000; men employed in elevators, 8.

Newspapers published, 4, viz: Review, Record, Union, Boebachtre; men employed, 20; language English, and ———; circulation 3,000.

Post Offices—Bellevue, Butternut Valley, Champion Mills, Danville, Eagle Lake, Garden City, Good Thunders Food, Grapeland, Judson, Lake Crystal, Little Cobb, Mankato, Mapleton Station, Medo, Myrna, Pleasant Mounds, Rapidan, Shelbyville, Sherman, South Bend, Sterling Centre, Tivoli, Vernon Centre, Watonwan, Willow Creek, Winnebago Agency.

Townships Reported—Jamestown, Mankato, Le Roy, Cambria, Judson, Danville, Shelby, Pleasant Mound, South Bend, Lynn, Lincoln.

Religious Denominations—Congregationalists, Presbyterians, Baptists, Methodists, United Brethren, Catholics, Lutherans, Evangelical Association; membership, 959; value of structures, \$9,425.

Private Educational Institutions—Two Lutheran schools; teachers employed, 2; scholars attending, 50; value of structures, \$800.

Villages—Shelbyville, South Bend, Eagle Lake and Jamestown; population estimated at 1,320.

General merchandise stores, 3; value of stock, \$6,200; persons employed, 5.

Drug stores, 1; value of stock, \$200; persons employed, 1.

Other stores, 2; value of stock, \$2,000; persons employed, 3.

Hotels, 2.

Blacksmith shops, 7; business annually, \$7,000; persons employed, 8.

Other shops, 3; business annually, \$2,500; persons employed, 4.

Population, 7,878; comprising Scandinavians, Irish, Germans, Americans, Welsh, Swiss, English.

Lakes—Ballantyne, Duck, Eagle, Madison, Indian, Crystal, Lilly, Loon, Wita, Jackson, Rush and Goose.

Streams—Minnesota, Little Cottonwood, Blue Earth and Watonwan rivers, and Le Sueur, Morgan, Big Cobb and Willow creeks.

Brown County—New Ulm, County Seat.

Prairie with some timber along Minnesota and Cottonwood rivers.

Organized townships, 15.

Land surface, 379,114.80 acres.

Taxable lands, 282,490 acres.

Cultivated lands, 61,045 acres.

Increase of cultivated land during the year, 26,345 acres.

Bushels wheat produced in 1877, 122,608.

Assessed valuation of real and personal property, \$2,956,288.

Farms in county, 1,039.

Bonded indebtedness of the county, \$737.

Railway lines 2; miles, 45.

Number school districts, 61.

Number school houses, 55.

Number scholars enrolled, 2,545.

Births during 1877, 445.

Deaths during 1877, 143.

Villages, 3.

Business Houses.—Agricultural Implements, 7; Booksellers, Stationers, 2; Boots and Shoes, 4; Confectioners, 1; Drugs, 3; Furniture, 4; Groceries, 4; Hardware, Stoves and Tinware, 8; Lumber, Lath and Shingles, 6; Millinery, 4; Photographic Stock, 2; Watches and Jewelry, 1; Not enumerated 43; Elevators, 1; General Stores, 15; Professions, 7; Banks, 2.

Trades and Manufacturers—Boot and Shoemakers, 3; Breweries, 4; Carriages and Wagons, 3; Cigars, 2; Clothing, 2; Coopers, 1; Flour Mill, 5; Foundries, 1; Harness, 3; Newspapers, 3; Sash, Doors and Blinds, 1; Not enumerated, 3; Blacksmiths, 10.

Flour and Grist Mills, 6; Run of Stone, 18; Men employed, 25; Saw Mills, 1; Lumber Manufacturers, 40,000 ft.; Men employed, 5; Wheat Elevators, 8; Capacity bushels, 385,000; Men employed, 20; Newspapers published, 2, viz.: New Ulm Review, New Ulm Post; Men employed, 7; Language, English; Circulation, 900.

Post Offices—Comfrey, Golden Gate, Home, Iberia, Leavenworth, Linden, Lone Tree Lake, Milford, New Ulm, Sleepy Eye, Soude, Springfield.

Townships Reported—North Star, Mulligan and Albin.

Population, 1,000—comprising Germans, Irish, Scandinavians, Americans.

Lakes, Hanska.

Streams, Big and Little Cottonwood rivers, and Mound Creek.

Carlton County—Thompson, County Seat.

Organized townships, 3.

Land surface, 548,630.93 acres.

Taxable Lands, 64,393 acres.

Cultivated lands, 148 acres, (estimated.)

Bushels wheat produced in 1877, 226.

Assessed valuation of real and personal property, \$188,862.

Railway lines, 2; miles, about 60.

Number school districts, 5.

Number school houses, 3.

Number scholars enrolled, 111.

Births during 1877, 26.

Deaths during 1877, 8.

Business Houses—Not enumerated, 9; General Stores, 3.

Trades and Manufacturers—Saw Mills, 2; Not enumerated, 3.

Postoffices—Junction, Mahtowa, Moose Lake, Thompson.

Townships Reported—Moose Lake.

Villages—Moose Lake, Matahwa, Barnum; population, 200.

General Merchandise Store, 1; value of stock, \$1,000; men employed, 2.

Hotels—1.

Blacksmith Shops, 2.

Population, 200; comprising French, Scandinavians and Americans.

Lakes—Moose, Moose Horn.

Streams—Moose Horn.

Carver County—Chaska, County Seat.

Prairie and considerable timber.

Organized townships, 13.

Land surface, 229,154.86 acres.

Taxable land, 221,255 acres.

Cultivated land, 42,050 acres.

Increase of cultivated land during the year, 2,007 acres.

Bushels wheat produced in 1877, 630,157.

Assessed valuation of real and personal property, \$2,941,999.

Farms in county, 1,623.

Railway lines, 2; miles, 35.

No. school districts, 70; No. school houses, 60; No. scholars enrolled, 3,210.

Births during 1877, 423.

Deaths during 1877, 149.

Villages, &c., 6.

Flour and Grist Mills, 9; run of stone, 20; men employed, 40.

Saw Mills, 4.

Wheat Elevators, 9,

Newspapers published, 2; Carver Free Press, Valley Herald; Men employed, —; Language, English; Circulation of Herald, 700.

Postoffices—Benton, Bougard, Carver, Chaska, Dahlgren, East Union, Helvetia, Laketown, Norwood, Oberle's Corners, Waconia, Watertown, Young America.

Business Houses—Agricultural Implements, 3; Boots and Shoes, 1; Confectioners, 3; Drugs, 4; Dry Goods, 1; Furniture, 8; Grain, 6; Groceries 4; Hardware, Stoves and Tinware, 7; Hats, Caps and Furs, 1; Lumber, Lath and Shingles, 5; Millinery, 3; Oils, 1; Photographic Stock, 2; Watches and Jewelry, 3; Not enumerated, 41; General Stores, 29; Professions, 10; Banks, 2.

Trades and Manufactures—Agricultural Implements, 1; Boot and Shoe Makers, 14; Breweries, 5; Bricks, 5; Carriages and Wagons, 11; Cigars, 1; Clothing, 3; Coopers, 4; Flour Mills, 11; Furs, 1; Furniture, 1; Gunsmiths, 2; Harness, 3; Machinists, 1; Newspapers, 2; Saw Mills, 2; Not enumerated, 8; Blacksmiths, 15; Carpenters, 3.

Townships Reported—Chanhassen, Dahlgren, San Francisco, Hancock, Benton, Waconia, Watertown, Chaska,

Religious Denominations—Lutherans, Catholics, Reformed Church, Methodists, Moravians and Unitarians.

Membership, 4,325; value of structures, \$48,500.

Private Educational Institutions—Catholic and Lutheran schools; teachers employed, 4; scholars attending, 325; value of structures, \$1,900.

Villages—Waconia, Chaska, Dahlgren, Benton, and Watertown.

Population estimated at 2,350.

General merchandise stores, 15; value stock, \$64,500; persons employed, 32.

Drug stores, 3; value stock, 8,500; persons employed, 7.

Hardware stores, 5; value stock, \$12,000; persons employed, 9.

Clothing stores, 3; value stock, \$12,000; persons employed, 4.

Other stores, 5; value stock, \$4,500; persons employed, 8.

Agricultural Implement stores, 1; value of stock, \$13,500; persons employed, 2.

Hotels, 9; business annually, \$19,000; persons employed, 15.

Blacksmith shops, 14; business annually, \$15,000; persons employed, 24.

Other shops, 17; business annually, \$28,600; persons employed, 34.

Population, 7,700; comprising Germans, Scandinavians, English, Irish, Canadians and Americans.

Streams—Beven's, Bowie's, Carver and Crow Creeks, and Minnesota River.

Lakes—Minnewasta, Long, Bavaria, Bradford, Rice, Minnetonka, Miller's, Benton, Froujats, Clear Water, Waerndu, Hydes, Swan, Swede and Okey.

Cass County.

Total area of county, 2,983,680 acres (estimated.)

Taxable lands, 303,637 acres.

Assessed valuation of real and personal property, \$664,498.

Railway lines, 1; miles, 25.

Postoffices—Leech Lake, Pine River.

Business Houses—Lumber, Lath and Shingles, 4; Not enumerated, 4.

Trades and Manufactures—Flour Mills, 1; Saw Mills, 1.

Chippewa County—Montevideo, County Seat.

Organized townships, 10.

Land surface, 351,574.82 acres.

Taxable lands, 83,133 acres.

Cultivated land, 25,561 acres.

Increase of cultivated land during the year, 4,902 acres.

Bushels wheat produced in 1877, 46,868.

Assessed valuation of real and personal property, \$578,696.

Farms in county, 733.

Railway lines, 1; miles, 16.

No. school districts, 30; No. school houses, 15; No. scholars enrolled, 753.

Births during 1877, 120.

Deaths during 1877, 24.

Postoffices—Hagan, Louriston, Montevideo, Reesor, Rosslyn, Unadilla, Wegdal, Wren.

Business Houses—Booksellers, Stationers, 1; Boots and Shoes, 1; Drugs, 1; Hardware, Stoves and Tinware, 1; Not enumerated, 7; General Stores, 3; Professions, 4.

Trades and Manufactures—Carriages and Wagons, 1; Flour Mills, 2; Harness, 1; Newspapers, 1; Not enumerated, 1; Blacksmiths, 3; Carpenters, 1.

Chisago County—Centre City, County Seat.

Organized townships, 12.

Land surface, 269,351.02 acres.

Taxable lands, 247,590 acres.

Cultivated lands, 13,627 acres.

Increase of cultivated land during the year, 1,345 acres.

Bushels wheat produced in 1877, 91,014.

Assessed valuation of real and personal property, \$1,620,048.

Farms in county, 846.

Bonded indebtedness, \$5,000.

Railway lines, 1; miles, 30.

No. school districts, 42; No. school houses, 36; No. scholars enrolled, 1,593.

Births during 1877, 218.

Deaths during 1877, 59.

Villages, &c., 8.

Flour and Grist Mills, 7; run of stone, 18; men employed, 16.

Saw Mills, 5; lumber manufactured, 800,000 feet; men employed, 21 (reported by town clerks.)

Wheat warehouses, 6; capacity—bushels, 15,000.

Newspapers published, 2; Taylor's Falls Journal and Rush City Post; men employed, —; language, English; circulation, 600.

Postoffices—Centre City, Chisago City, Franconia, Harris, North Branch Station, Rush City, Stacy, Stark, Sunrise City, Taylors Falls, Wyoming.

Business Houses—Agricultural Implements, 1; Booksellers, Stationers, 1; Drugs, 2; Furniture, 4; Groceries, 1; Hardware, Stoves and Tinware, 1; Lumber, Lath and Shingles, 3; Millinery, 1; Toys and Fancy Goods, 1; Not enumerated, 39; General Stores, 27; Professions, 8.

Trades and Manufactures—Boot and Shoe Makers, 2; Breweries, 2; Carriages and Wagons, 4; Clothing, 1; Flour Mills, 7; Saw Mills, 8; Tin and Sheet Iron, 1; Not enumerated 7; Blacksmiths, 7; Carpenters, 2.

Townships Reported—Rush City, Lent, Branch, Fish Lake, Franconia.

Religious Denominations—Lutherans, Episcopalians, Catholics, Methodists and Baptists; membership, 324; value of structures, \$5,450.

Villages—Harris, Franconia and Rush City.

Population estimated at 419.

General merchandise stores, 14; value stock, \$50,700; persons employed, 28.

Drug stores, 1; value stock, \$1,500; persons employed, 1.

Hardware stores, 1; value stock, \$1,500; persons employed, 2.

Clothing and other stores, 3; value stock, \$3,500; persons employed, 3.

Hotels, 9; annual business about \$9,000.

Livery stables, 1; men employed, 1.

Blacksmith shops, 13; annual business about \$14,300; men employed, 17.

Other shops, 9; men employed, 19.

Population, 3,835; comprising Scandinavians, Irish, Germans and Americans.

Lakes—Chisago, Fish, Goose, Horseshoe, and Chain.

Streams—St. Croix River, and Rush, Sunrise and Goose Creeks.

Clay County—Moorhead, County Seat.

Land surface, 667,093.53 acres.

Taxable lands, 129,547 acres.

Cultivated lands, 4,415 acres.

Bushels wheat produced in 1877, 62,982 acres (estimated.)

Assessed valuation of real and personal property, \$879,000.

Bonded indebtedness, \$17,500.

Railway lines, 2; miles, 70.

No. of school districts, 13; No. school houses, 8; No. scholars enrolled, 466.

Births during 1877, 100.

Deaths during 1877, 16.

Villages, 9.

Flour and Grist Mills, 2; run of stone, 7; men employed, 7.

Saw Mills, 1 (water power.)

Wheat elevators, 2; capacity, 150,000 bushels; men employed, 8.

Newspapers published, 2; Clay County Advocate, and Red River Valley News; men employed, 6; language, English; circulation, 1,500.

Postoffices—Barnesville, Georgetown, Glyndon, Hawley, Holy Cross, Moorhead, Muskoda.

Business Houses—Agricultural Implements, 3; Boots and Shoes, 1; Confectioners, 1; Drugs, 1; Dry Goods, 1; Furniture, 1; Groceries, 1; Hardware, Stoves and Tinware, 3; Millinery, 1; Photographic Stock, 1; Not enumerated, 33; Elevators, 1; General Stores, 9.

Trades and Manufactures—Boot and Shoemakers, 1; Breweries, 1; Bricks, 2; Carriages and Wagons, 2; Flour Mills, 3; Harness, 1; Newspapers, 1; Saw Mills, 1; Not enumerated, 3; Blacksmiths, 3; Carpenters, 3.

Townships Reported—Egdon, Park, Hawley.

Religious denominations—Lutherans, Congregationalists; membership, 180; value of structures, \$1,150.

Villages—Muscoda and Hawley; population estimated at 200.

General merchandise stores, 4; value stock, \$15,000; persons employed, 7.

Blacksmith shops, 4; annual business, \$2,200; men employed, 4.

Population, 700; comprising Scandinavians, Americans, Canadians, Germans, English and Irish.

Lakes—Lee, Silver.

Streams—Buffalo River.

Cook County—Unorganized and not Surveyed.

Land surface estimated at 898,560 acres, of which about 1,300 acres is included in an Indian reservation.

Business Houses—General Stores, 3.

Trades and Manufactures—Blacksmiths, 1; Other Trades, 1.

Post offices—Grand Portage, Rove Lake.

Cottonwood County—Windom, County Seat.

Rolling prairie.

Organized townships, 16.

Arable land, 408,598.31 acres.

Taxable land, 90,980 acres.

Cultivated land, 23,627 acres.

Increase of cultivated land during the year, 13,624 acres.

Bushels of wheat produced in 1877, 84,742.

Assessed valuation of real and personal property, \$802,062.

Farms in county, 731.

Railway lines, 1; miles, 16.

Number school districts, 35.

Number school houses, 19.

Number scholars enrolled, 597.

Births during 1877, 109.

Deaths during 1877, 21.

Villages, &c., 3.

Flour and grist mills, 4; Run of stone, 11; Men employed, 12.

Newspapers published, 1; Men employed, 2; Language, English; Circulation, 500.

Business Houses—Agricultural Implements, 3; Boots and Shoes, 1; Drugs, 2; Flour and Feed, 2; Hardware, Stoves and Tinware, 2; Lumber, Lath and Shingles, 2; Watches and Jewelry, 1; Not enumerated, 15; Elevators, 2; General Stores, 10.

Trades and Manufactures.—Carriages and wagons, 1; flour mills, 4; harness, 1; blacksmiths, 6; carpenters, 1.

Post Offices—Bingham Lake, Cassel, Dale, Delton, Huntington, Mountain Lake, Red Rock, Stovden, West Brook, Windom.

Townships Reported—Germantown, Highwater, Carson, Dale, Mountain Lake and Great Bend.

Religious Denominations—Baptists, Methodists, Presbyterians, Mennonites, Catholics and Evangelical Association. Membership, 179; value of structures, \$2,500.

Villages—Windom.

General merchandise stores, 9; value stock, \$27,000; persons employed, 8.

Drug stores, 3; value stock, \$1,800; persons employed, 3.

Hardware stores, 2; value stock, \$3,000; persons employed, 4.

Agricultural implement, stores, 4; persons employed 4.

Hotels, 4; about \$4,000 business annually; persons employed, 4.

Blacksmith shops, 9; about \$27,000 business annually; persons employed, 10.

Other shops, 1; persons employed 1.

Population, 3,187; comprising Germans, Russians, Scandinavians, Americans, Canadians and Irish.

Streams—Des Moines and Watonwan rivers, and Dutch Charles, Highwater and Dry creeks.

Crow Wing County—Brainerd, County Seat.

Organized townships, 1.

Land surface, 325,345.95 acres.

Taxable lands, 19,929 acres.

Cultivated land, 226 acres.

Bushels wheat produced in 1877, 591.

Assessed valuation of real and personal property, \$209,325.

Farms in county, 7.

Bonded indebtedness, \$15,000.

Railway lines, 2; miles, 50.

No. school districts, 2; No. school houses, 1; No. scholars enrolled, 194.

Births during 1877, 33; Deaths during 1877, 11.

Villages, &c., 1.

Saw Mills, 1.

Newspapers published, Brainerd Tribune; Men employed, 3; Language, English; Circulation, 500.

Business and Professions, Wholesale and Retail—Booksellers, stationers, 1; boots and shoes, 1; clothing, 1; drugs, 1; drygoods, 1; flour and feed, 1; grain, 1; groceries, 4; millinery, 1; not enumerated business, 8; general stores, 2.

Trades and Manufactures—Clothing; 1; not enumerated, 1.

Post Offices—Brainerd and Fort Ripley.

Dakota County—Hastings County Seat.

Prairie in the southern and western part, with timber along the Mississippi, Vermillion and other streams.

Organized townships, 21.

Land surface about 403,130.40 acres.

Taxable lands, 357,498 acres.

Cultivated land, 146,754 acres.

Decrease of cultivated land during the year, 4,127 acres.

Busnells wheat produced in 1877, 1,721,171.

Assessed valuation of real and personal property, \$6,421,171.

Farms in county, 1,554.

Railway lines, 3; miles, 80.

No. school districts 99; No. school houses, 94; No. scholars enrolled, 4,748.

Births during 1877, 421; deaths during 1877, 170.

Business and Professions, Wholesale and Retail—Agricultural implements, 10; booksellers, stationers, 4; boots and shoes, 8; cigars and tobacco, 1; confectioners, 5; drugs, 5; dry goods, 6; flour and feed 1; furniture, 5; grain, 7; groceries, 1—14; hardware, stoves and tinware, 8; leather and shoe findings 1; lumber, lath and shingles, 1; millinery, 1; photographic stock 3; pianos and organs, 1; watches and jewelry, 5; not enumerated business, 98; elevators, 1; general stores, 22; professions, 20; banks, 3.

Trades and Manufactures—Boot and shoe makers, 9; carriages and wagons, 8; flour mills, 10; foundries, 3; furniture, 3; harness, 10; machinists, 2; millinery, 3; marble, 1; newspapers, 3; printers, book and job, 2; sash, doors and blinds, 2; saw mills, 2; tin and sheet iron, 1; not enumerated, 6; blacksmiths, 17; carpenters, 2.

Postoffices—Castle Rock, Christiana; East Castle Rock, Empire City, Farmington, Hampton, Hastings, Lakeville, Mendota, New Trier, Ninninger, Pine Bend, Rich Valley, Rosemount, Trout Brook, Vermillion, Waterford, West St. Paul.

Townships Reported—Hampton, Sciota, Waterford, Ravenna.

Religious Denominations—Methodists, Evangelists, Catholics, Baptists, Union. Membership, 1,149; value of structures, \$13,250.

Villages—Etter, Waterford, New Trier.

Population estimated at 198.

General merchandise stores, 6; value stock, \$11,000; persons employed, 12.

Hardware stores, 1; value stock \$2,500; persons employed, 1.

Other stores, 1; value stock, 2,000; persons employed, 2.

Agricultural implement stores, 1; persons employed, 1.

Hotels, 2; annual business about \$8,000; persons employed, 7.

Blacksmith shops, 5; men employed, 6.

Other shops, 2; men employed, 11.

Population, 1,676; comprising Americans, Scandinavians, Germans and Irish.

Streams—Vermillion and Cannon.

Dodge County—Mantorville, County Seat.

Considerable timber in northern part of county.

Organized Townships, 12.

Land surface, 275,634.87 acres.

Taxable lands, 274,892 acres.

Cultivated lands, 103,939 acres.

Increase of cultivated land during the year, 8,726 acres.

Bushels wheat produced in 1877, 1,376,654.

Assessed valuation of real and personal property, \$4,600,000.

Farms in county, 915.

Railway lines, 1; miles, 20.

No. school districts, 74; No. school houses, 70; No. scholars enrolled, 3,249.

Births during 1877, 305.

Deaths during 1877, 100.

Villages, &c., 7.

Flour and grist mills, 11; run of stone, 24; men employed, 20.

Saw mills, 1; men employed, 2.

Wheat elevators, 5; capacity bushels, 225,000; men employed, 15.

Newspapers—Three, Mantorville Express, Dodge County Republican, Dodge Centre Press; men employed, 9; language, English; circulation, 2,000.

Business Houses—Agricultural Implements, 9; Booksellers, Stationers, 4; Confectioners, 4; Clothing, 1; Drugs, 5; Flour and Feed, 1; Furniture, 6; Grain, 6; Groceries, 4; Hardware, Stoves and Tinware, 6; Lumber, Lath and Shingles, 3; Millinery, 3; Photographic stock, 1; Pianos and Organs, 1; Sewing Machines, 1; Watches and Jewelry, 4; Not enumerated, 37; Elevators, 4; General Stores, 24; Professions, 20; Banks, 3.

Trades and Manufactures—Agricultural Implements, 1; Blank Books, 1; Boot and Shoemakers, 2; Breweries, 1; Carriages and Wagons, 9; Confectioners and Bakers, 2; Flour Mills, 9; Gunsmiths, 1; Harness, 5; Marble, 1; Newspapers, 1; Printers, book and job, 1; Sash, Doors and Blinds, 1; Saw Mills, 3; Blacksmiths, 11; Carpenters, 4.

Post Offices—Berne, Canestee, Claremont, Concord, Dodge Centre, East Claremont, Ellington, Kasson, Mantorville, Rice Lake, Vernon, Wasioja, Westfield Centre.

Townships Reported—Vernon, Canistee, Hayfield, Ashland, Westfield, Wasioja, Mantorville and Claremont.

Religious Denominations—Presbyterians, Methodists, Congregationalists, Baptists, Episcopalians, Lutherans, and Seventh Day Baptists; membership, 1,030; value of structures, \$44,100.

Private Educational Institutions—Wesleyan Seminary; teachers employed, 2; scholars attending, 40; value of structure, \$2,500.

Villages—Dodge Centre, Kasson, Mantorville; population estimated at 3,500.

General Merchandise Stores, 31; value of stock, \$56,700; persons employed, 56.

Drug Stores, 6, value of stock, \$5,500; persons employed, 11.

Hardware Stores, 6; value of stock, \$14,000; persons employed, 13.

Clothing Stores, 4; value of stock, \$4,000; persons employed, 11.

Other Stores, 14; value of stock, \$6,000; persons employed, 16.

Agricultural Implement Stores, 9; persons employed, 23.

Hotels, 8; business annually, about \$12,000; persons employed, 11.

Livery Stables, 7; business annually, about \$7,000; persons employed, 13.

Blacksmith Shops, 18; business annually, \$18,000; persons employed, 27.

Other shops, 24; persons employed, 25.

Population, 9,340; comprising Scotch, Germans, Scandinavians, Irish and Americans.

Lakes, Rice.

Streams—Zumbro river and Cedar creek.

Douglas County—Alexandria, County Seat.

Organized Townships, 20.

Land surface, 389,575.34 acres.

Taxable land, 281,329 acres.

Cultivated land, 31,805 acres.

Increase of cultivated lands during the year, 3,653 acres.

Bushels wheat produced in 1877, 88,602.

Assessed valuation of real and personal property, \$1,550,794.

Farms in county, 1,145.

Railway lines, 1; miles, 14.

No. School Districts, 57; No. school houses, 15; No. scholars enrolled, 1,728.

Births during 1877, 242.

Deaths during 1877, 100.

Saw mills 4; steam power, 1; water power, 1; lumber manufactured, 1,500,000 feet; men employed, 15.

Business Houses—Agricultural Implements, 1; Boots and Shoes, 2; Confectioners, 1; Drugs, 1; Flour and Feed, 1; Furniture, 1; Groceries, 1; Hardware, Stoves and Tinware, 3; Lumber, Lath and Shingles, 1; Millinery, 1; Watches and Jewelry, 1; Not enumerated, 13; Elevators, 1; General Stores, 15; Professions, 8; Banks, 1.

Trades and Manufactures—Carriages and Wagons, 4; Flour Mills, 5; Gunsmiths, 1; Harness, 2; Newspapers, 1; Saw Mills, 3; Blacksmiths, 6; Carpenters, 2.

Post Offices—Alexandria, Brandon, Evansville, Holmes City, Hudson, Joy, Leaf Valley, Millerville, Miltona, Moe, Osakis, Oscar Lake, Spruce Hill, Urness.

Townships Reported—Spruce Hill, Orange, Milton, Hudson, Salem, La Grand, Millerville, Chippewa.

Religious Denominations—Lutherans, Adventists, Baptists, Methodists and Catholics; membership, 886; value of structures, \$3,200.

Private Educational Institutions—Catholic Schools; Teachers employed, 1; scholars attending, 72; value of structures, \$300.

General Merchandise Stores, 2; value of stock, \$14,000; persons employed, 3.

Hotels, 1; men employed, 2.

Blacksmith Shops, 4; men employed, 4.

Other Shps, 1; men employed, 1; 1 Sorghum mill.

Population, 2,240; comprising Scandinavians, Bohemians, Americans, Irish, Scotch and Germans.

Streams—Chippewa river, and Spence, Allyus and Otter Creek.

Lakes—Big and Little Chippewa, Stowes, Moses, Aaron, Oscar, Red Rock, Maple, Skunk, Browns, Miltonia, Reservoir, Smith's Swims and English.

Faribault County—Blue Earth City, County Seat.

Prairie, with very little timber in groves and fringing lake and water courses.

Organized Townships, 20.

Arable land, 454,123.59 acres.

Taxable lands, 392,190 acres.

Cultivated land, 87,099 acres.

Increase of cultivated land during the year, 17,552 acres.

Bushels wheat produced in 1877, 506,368.

Assessed valuation of real and personal property, \$4,052,145.

Farms in county, 2,593.

Railway lines, 2; miles, 48.

No. School Districts, 107; No. school houses, 104; No. scholars enrolled, 3,912.

Births during 1877, 308.

Deaths during 1877, 73.

Business Houses—Agricultural Implements, 11; Booksellers, Stationers, 1; Boots and Shoes, 2; Cigars and Tobacco, 1; Coal and Wood, 2; Confectioners, 1; Clothing, 3; Drugs, 9; Dry Goods, 5; Furniture, 5; Grain, 6; Groceries, 14; Hardware, Stoves and Tinware, 8; Lumber, Lath and Shingles, 7; Millinery, 7; Photographic Stock, 3; Watches and Jewelry, 4; Not enumerated, 37; General Stores, 17; Professions, 10; Banks, 7.

Trades and Manufactures—Boot and Shoe Makers, 5; Brooms, 1; Carriages and Wagons, 7; Clothing, 2; Confectioner and Bakers, 2; Flour Mills, 9; Gunsmiths, 1; Harness, 6; Newspapers, 3; Not enumerated, 2; Blacksmiths, 16; Carpenters, 3.

Postoffices—Alton, Banks, Blue Earth City, Brush Creek, Clayton, Cornet, Delavan Station, Easton, Elmore, Emerald, Ewald, Homedahl, Minnesota Lake, Pilot Grove, Walnut Lake, Wells, Winnebago City.

Townships Reported—Dunbar.

Population, 450; comprising Germans and Americans.

Streams—Cob River.

Fillmore County—Preston, County Seat.

Organized townships, 24.

Land surface, 553,141.66 acres.

Taxable land, 542,871 acres.

Cultivated land, 237,553 acres.

Increase of cultivated land during the year, 6,659 acres.

Bushels wheat produced in 1877, 2,664,411.

Assessed valuation of real and personal property, \$9,441,493.

Farms in county, 2,593.

Railway lines, 1; miles, 50.

No. school districts, 171; No. school houses, 173; No. scholars enrolled, 8,420

Births, during 1877, 929; deaths, during 1877, 411.

Villages, &c., 18.

Flour and grist mills, 37; run of stone, 151; men employed, 240.

Saw mills, 4; men employed, 4.

Wheat elevators, 19; capacity, bushels, 178,000.

Newspapers published, 6; Rushford Star, Lanesboro Journal, Chatfield Democrat, Wykoff Dollar Weekly, Spring Valley Vidette and Preston Republican; men employed, 20; languages, English; circulation, 3,900.

Business and Professions, Wholesale and Retail—Agricultural implements, 11; booksellers, stationers, 4; boots and shoes, 8; butter, 1; confectioners, 2; clothing, 2; drugs, 13; dry goods, 7 flour and feed, 1; fruits, foreign and domestic, 1; furniture, 9; grain, 9; groceries, 1—24; hardware, stoves and tinware, 12; lime, plaster and cement, 2; lumber, lath and shingles, 11; mill machinery and railroad supplies, 3; millinery, 8; photographic stock, 5; sewing machines, 1; watches and jewelry, 7; not enumerated business, 127; elevators, 3; general stores, 66; professions, 32; banks, 9.

Trades and Manufactures—Agricultural implements, 1; boot and shoe makers, 17; breweries, 4; bricks, 4; carriages and wagons, 18; cigars, 2; clothing, 5; confectionery and cigars, 3; coopers, 2; flour mills, 31; foundries, 2; harness, 11; machinists, 6; newspapers, 4; printers, book and job, 1; sash, doors and blinds, 1; saw mills, 11; not enumerated, 7; blacksmiths, 37; carpenters, 16.

Post Offices—Alba, Amherst, Arendahl, Belleville, Big Spring, Bratsberg, Bristol, Canfield, Carimona, Chatfield, Cherry Grove, Clear Grit, Elliot, Etna, Fillmore, Forestville, Fountain, Granger, Greenleaf, Hamilton, Harmony, Highland, Isinour's, Kedron, Lanesborough, Lenora, Newburgh, Peterson, Pilot Mound, Preble, Preston, Prosper, Rushford, Scotland, Spring Valley, Washington, Watson Creek, Whalan, Wilton Centre, Wykoff.

Townships Reported—Arendahl, Pilot Mound, Norway, Holt, Amherst, Bristol, Rushford, Newburgh, York, Preston, Carrollton, Sumner.

Religious Denominations—Lutheran, Methodists, Friends, Evangelical, Friends Evangelical, Episcopalian, Congregationalists, Dutch Reformed, Presbyterian and Catholics; membership not reported; value of structures, 44,800; town of Carrollton reports 1,180 church members, and \$27,800 as value of church structures, besides the above; and Sumner, 169 members, and \$5,000 property, also, in addition to above.

Villages—Bratsberg, Grangee, Roshford, Preston, Whalan, Newberry, Henry Town, Lanesboro, Hamilton, Washington; population estimated at 3,950.

General merchandise, store, 32; value stock, \$132,000; persons employed, 73.

Drug stores, 8; value of stock, \$18,000; persons employed, 18.

Hardware stores, 6; value stock, \$30,000; persons employed, 19.

Clothing stores, 4; value stock, \$8,000; persons employed, 12.

Other stores, 19; value stock, \$23,000; persons employed, 27.

Agricultural implement store, 8; value stock, \$10,000; persons employed, 13.

Hotels, 12; about \$16,000 business annually of eight; persons employed, 29.

Livery stables, 2; persons employed, 4.

Blacksmith shops, 31; about \$37,800 business annually; persons employed, 37.

Other shops, 17; about \$74,400 business annually; persons employed, 67.

Population, 16,800; comprising Scandinavians, Americans, Germans, Scotch, Irish, English, French, Poles, and Welsh.

Streams—Root and Iowa rivers, and Rush and Whitehall creeks.

Lakes—Lanesboro Lake.

Freeborn County—Albert Lea, County Seat.

Prairie.

Organized townships, 20.

Land surface, 449,093.80 acres.

Taxable land, 394,127 acres.

Cultivated land, 109,489 acres.

Increase of cultivated land during the year, 11,577 acres.

Bushels wheat produced in 1877, 1,462,671.

Assessed valuation of real and personal property, \$5,309,894.

Farms in county, 1,762.

Railway lines, 2; miles, 62.

No. school districts, 105; No. school houses, 104; No. scholars enrolled, 4,152.

Births during 1877, 463.

Deaths during 1877, 128.

Villages, &c., 12.

Flour and Grist Mills, 2; run of stone, 9; men employed, 13.

Wheat Elevators, 5.

Newspapers published, 2; language, English.

Postoffices—Albert Lea, Alden, Armstrong, Bancroft, Bath, Clark's Grove, Freeborn, Geneva, Gordonsville, Hartland, Hayward, London, Manchester, Mansfield, Moscow, Newry, Nunda, Oakland, Shell Rock, State Line, Trenton.

Business Houses—Agricultural Implements, 7; Booksellers, Stationers, 1; Boots and Shoes, 2; Butter, 1; Coal and Wood, 1; Confectioners, 1; Clothing, 5; Drugs, 7; Dry Goods, 1; Flour and Feed, 3; Furniture, 3; Grain, 9; Groceries, 5; Hardware, Stoves and Tinware, 7; Lumber, Lath and Shingles, 7; Mill Machinery and Railroad Supplies, 1; Millinery, 3; Photographic Stock, 3; Watches and Jewelry, 4; Not enumerated, 72; Elevators, 4; General Stores, 28; Professions, 24; Banks, 3.

Trades and Manufactures—Agricultural Implements, 1; Boot and Shoe Makers, 8; Bricks, 2; Brooms, 2; Carriages and Wagons, 7; Cigars, 1; Coopers, 1; Flour Mills, 2; Foundries, 1; Harness, 5; Marble, 1; Planing Mills, 1; Pop and Ginger Ale Bottlers, 1; Blacksmiths, 13; Carpenters, 6.

Townships Reported—Bath, Bancroft, Manchester, Pickerel Lake, Alden, Shellrock, Mansfield.

Religious Denominations—Lutherans, Methodists, Baptists, United Brethren, Universalists and Catholics; membership, 1,000; value of structures, \$19,900.

Villages—Manchester Station, Armstrong, Shellrock, Gordonsville and Alden. Population estimated at 451.

General merchandise stores, 10; value stock, \$21,000; persons employed, 16.

Drug stores, 3; value stock, \$3,900; persons employed, 5.

Hardware stores, 2; value stock, \$6,500; persons employed, 4.

Three warehouses; capacity, 11,000.

Agricultural implement stores, 1; persons employed, 1.

Hotels, 3; business annually about \$5,250; persons employed, 5.

Blacksmith shops, 10; business annually, about \$13,000; persons employed, 12.

Other shops, 5; persons employed, 6.

Population, 5,050; comprising Irish, Scandinavian, French, Germans, and Americans.

Lakes—Pickerel, Queen, Peterson, Sugar and Skinner.

Streams—Shellrock, Folkestad, Bancroft and Linen Creeks.

Goodhue County—Red Wing, County Seat.

Prairie generally rolling, bluffly along the Mississippi, with but little timber.
Organized townships, 24.

Land surface, 507,311.90 acres.

Taxable land, 486,856 acres.

Cultivated land, 254,768 acres.

Increase of cultivated land during the year, 13,762 acres.

Bushels wheat produced in 1877, 3,756,811.

Assessed valuation of real and personal property, \$12,974,841.

Farms in county, 2,982.

Bonded indebtedness, \$8,000.

Railway lines, 3. miles, 47.

No. school districts, 146; No. school houses, 149; No. scholars enrolled, 7,430.

Births during 1877, 1,027.

Deaths during 1877, 333.

Villages, &c., 11.

Flour mills, 25; run of stone, 118.

Saw mills, 1; men employed, 1.

Newspapers published, 7.

Postoffices—Aspelund, Ayr, Belle Creek, Belvidere Mills, Black Oak, Cannon River Falls, Eggleston, Eidsvold, Fair Point, Frontenac, Goodhue Centre, Hader, Hay Creek, Holden, Kenyon, Norway, Pine Island, Red Wing, Roscoe, Roscoe Centre, Spring Creek, Stanton, Thoten, Vasa, Wacouta, Wanaminga, Wangs, Wastedo, White Rock, White Willow, Zumbrota.

Business Houses, Wholesale and Retail—Agricultural Implements, 8; Booksellers, Stationers, 3; Boots and Shoes, 1—6; Coal and Wood, 1; Confectioners, 2; Clothing, 5. Drugs, 9; Dry Goods, 4; Furniture, 6; Grain, 8; Groceries, 23; Hardware, Stoves and Tinware, 7; Hats, Caps and Furs, 1; Leather and Shoe Findings, 2; Millinery, 8; Oils, 1; Potographic Stock, 3; Pianos and Organs, 3; Sewing Machines, 4; Watches and Jewelry, 8; Wines and Liquors, 1—1; Not enumerated, 121; General Stores, 56; Professions, 48; Banks, 6.

Trades and Manufactures—Boot and Shoe Makers, 14; Boxes, 3; Carriages and Wagons, 14; Cigars, 1; Clothing, 7; Confectioner and Bakers, 3; Coopers, 1; Flour Mills, 15; Gunsmiths, 1; Harness, 11; Machinists, 3; Marble, 3; Newspapers, 4; Sash, Doors and Blinds, 2; Saw Mills, 4; Tin and Sheet Iron, 1; Not enumerated, 6; Blacksmiths, 40; Carpenters, 3.

Townships Reported—Pine Island, Zumbrota, Leon, Cherry Grove, Vasa, Warsaw, Goodhue, Minneola.

Religious Denominations—Lutherans, Baptists, Methodists, Catholics, Episcopalians, Congregationalists, and Presbyterians; membership, 4,130; value of structures, \$173,000.

Private Educational Institutions—Swedish Lutheran schools; teachers employed, 2; scholars attending, 125; value of structures, \$1,000.

Villages—Pine Island, Zumbrota, Vasa Centre.

Population, estimated at 2,100.

General merchandise stores, 17; value stock, \$102,500; persons employed, 43.

Drug stores, 5; value stock, \$16,000; persons employed, 11.

Hardware stores, 5; value stock, \$30,000; persons employed, 14.

Other stores, 10; value stock, \$31,000; persons employed, 20.

Agricultural Implement stores, 1; value stock, \$1,000; persons employed, 2.

Hotels, 8; persons employed, 16.
Livery stables, 4; persons employed, 9.
Blacksmith shops, 22; annual business about \$45,000; persons employed, 33;
Other shops, 21; annual business about \$81,200; persons employed, 33.
Population, 9,700; comprising Scandinavians, Germans, Americans and Irish.
Streams—Zumbro and Cannon Rivers, and Hay and Belle Creeks.

Grant County—Elbow Lake, County Seat.

Organized townships, 11.
Land surface, 348,256.21 acres.
Taxable land, 90,775 acres.
Cultivated land, 11,284 acres.
Increase of cultivated land during the year, 3,483 acres.
Bushels wheat produced in 1877, 66,435.
Assessed valuation of real and personal property, \$424,268.
Farms in county, 311.
Railway lines, 1; miles, 16.
No. school districts, 15; No. school houses, 11; No. scholars enrolled, 384.
Births during 1877, 53.
Deaths during 1877, 9.
Villages, 2.
Flour and Grist Mills, 2; run of stone, 6.
Wheat Elevators, 2; capacity—bushels, 45,000; men employed, 3.
Postoffices—Elbow Lake, Elk Lake, Fridhem, Herman, Pomme de Terre.
Business Houses—Agricultural Implements, 2; Lumber, Lath and Shingles,
3; Photographic Stock, 1; Not enumerated, 5; General Stores, 4.
Trades and Manufactures—Flour Mills, 1; Blacksmiths, 2; Carpenters, 1.
Townships reported—Erdahl, Pomme de Terre and Roseville.
Villages—Pomme de Terre and Erdahl.
Population estimated at 195.
General merchandise stores, 2; value stock, \$10,000; persons employed, 6.
Blacksmith shops, 2; men employed, 3.
Population, 415; comprising Scandinavians and Americans.
Lakes—Patchen and Pomme de Terre.
Streams—Chippewa and Pomme de Terre Rivers.

Hennepin County—Minneapolis, County Seat.

Organized townships, 19.
Arable land, 275,000 acres.
Land surface (estimated), 350,000.32 acres.
Taxable land, 349,228 acres.
Cultivated land, 71,254 acres.
Bushels wheat produced in 1877, 677,746.
Assessed valuation of real and personal property, \$28,594,496.
Farms in county, 2,280.
Railway lines, 6; miles, 66.
No. school districts, 111; No. school houses, 117; No. scholars enrolled, 9,959.
Births during 1877, 2,121.
Deaths during 1877, 613.

Villages, &c., 20.

Flour and Grist Mills, 1 (see Minneapolis); men employed, 2.

Saw Mills, 28; lumber manufactured, 110,000,000 feet; men employed, 1,800.

Postoffices—Abel, Bloomington, Bloomington Ferry, Brooklyn Centre, Champ-lin, Corcoran, Dayton, Dupont, Eden Prairie, Excelsior, Fort Snelling, Hassan, Hopkins, Lens, Long Lake, Maple Grove, Maple Plain, Minneapolis, Minnehaha, Minnetonka, Minnetrista, Mound City, Osseo, Parker's Lake, Richfield, Saint Bonifacius, Shingle Creek, Washburn, Wayzata.

Business Houses, Wholesale and Retail—Agricultural Implements, 7; Book-sellers, Stationers, 8; Boots and Shoes, 1—31; Brooms, 1; Butter, 3; Carpets, 2; Cigars and Tobacco, 6—14; Coal and Wood, 10; Commission Merchants, 16; Confectioners, 3—20; Crockery and Glassware, 1—2; Clothing, 14; Drugs, 3—19; Dry Goods, 1—20; Floor and Feed, 13; Fruits, foreign and domestic, 3—13; Furniture, 18; Grain, 1; Groceries, 4—106; Gloves, 2; Hardware, Stoves and Tinware, 2—20; Hats, Caps and Furs, 4; Hides, Pelts, &c., 3; Leather and Shoe Findings, 2; Lime, Plaster and Cement, 1—2; Lumber, Lath and Shingles, 7; Mill Machinery and Railroad Supplies, 15; Millinery, 1—19; Oils, 1—1; Photographic Stock, 11; Pianos and Organs, 2; Printers' Materials, 1; Saddlery Hardware, 1; Sewing Machines, 4; Teas and Coffee, 2—3; Toys and Fancy Goods, 2; Watches and Jewelry, 15; Wines and Liquors, 6—2; Not enumerated, 5—502; Elevators, 2; General Stores, 26; Professions, 128; Banks, 12.

Trades and Manufactures—Agricultural Implements, 4; Baking Powder, 1; Boilers, 2; Blank Books, 3; Boot and Shoe Makers, 19; Boxes, 2; Breweries, 4; Bricks, 4; Brooms, 1; Carriages and Wagons, 34; Cigars, 6; Clothing, 23; Confectioners, Bakers, 9; Crackers, 1; Coffee and Spices, 2; Coopers, 11; Dried Beef (sliced), 1; Engravers, 3; Engines and Cars, 1; Flour Mills, 27; Foundries, 10; Furs, 2; Furniture, 4; Gunsmiths, 3; Harness, 10; Jewelers, 2; Lithographers, 1; Machinists, 7; Marble, 5; Newspapers, 12; Planing Mills, 3; Printers, book and job, 6; Sash, Doors and Blinds, 5; Saw Mills, 20; Show Cases, 1; Soap and Candles, 2; Shirts, 2; Steam Heating, 1; Tin and Sheet Iron, 7; Trunks and Valises, 1; Vinegar, 1; Not enumerated, 86; Blacksmiths, 43; Carpenters, 15.

Townships Reported—Minnetonka, Osseo, Excelsior, Minnetrista, Plymouth, Greenwood, Independence and Champlin.

Religious Denominations—Episcopal, Catholic, Baptist, Presbyterian, Congregationalists, Lutherans, Freewill Baptists and Methodists; membership, 723; value of structures, \$12,250.

Private Educational Institutions—St. Augustine Academy and Catholic school.

Villages—Wazata, Maple Plain, Osseo, Armstrong, Excelsior.

Population, estimated at 662.

General merchandise stores, 13; value stock, \$213,000; persons employed, 21.

Drug stores, 1; value stock, \$300; persons employed, 1.

Other stores, 1; value stock, \$600; persons employed, 1.

Hotels, 6; about \$9,000 business annually; persons employed, 12.

Blacksmith shops, 17; about \$38,500 business annually; persons employed, 24.

Other shops, 12; about \$16,000 business annually; persons employed, 29.

Population, 5,700; comprising Americans, Germans, Irish, French, Scandinavians, English and Bohemians.

Streams—Minnehaha and Crow Rivers, and Pioneer, Six Mile and Bassett's Creeks.

Lakes—Union, Medicine, Bass, Parkers, Bass and Bat, Minnetonka, Whale, Long, Ox Yoke, and Leman.

Houston County—Caledonia, County Seat.

Organized townships, 17.

Arable land, 364,080.19 acres.

Taxable land, 340,830 acres.

Cultivated land, 103,655 acres.

Increase of cultivated land during the year, 5,451 acres.

Bushels wheat produced in 1877, 717,565.

Taxable valuation of real and personal property, \$4,441,020.

Farms in county, 1,777.

Bonded indebtedness, \$5,000.

Railway lines, 3; miles, 60.

No. school districts, 95; No. school houses, 84; No. scholars enrolled, 4,238.

Births during 1877, 564.

Deaths during 1877, 212.

Villages, &c., 12.

Flour and Grist Mills, 23; run of stone, 71; men employed, 125; the mill at Houston has 13 run of stone.

Saw Mills, 5; lumber manufactured, 1,200,000 feet; men employed, 10.

Wheat Elevators, 4; capacity—bushels, 90,000; men employed, 8.

Newspapers published, 3; Hokah Blade, Houston County Journal, and Caledonia Courier; men employed, 6; language, English; circulation, 982.

Postoffices—Black Hammer, Brownsville, Caledonia, Eitzen, Freeburgh, Hokah, Houston, La Crescent, Money Creek, Mound Prairie, Riceford, Shelden, Spring Grove, Wilmington, Winnebago Valley, Yucatan.

Business Houses, Wholesale and Retail—Agricultural Implements, 6; Booksellers, Stationers, 1; Boots and Shoes, 9; Butter, 3; Confectioners, 2; Clothing, 1; Drugs, 8; Dry Goods, 1—1; Flour and Feed, 1; Furniture, 1; Grain, 1; Groceries, 14; Hardware, Stoves and Tinware, 6; Lumber, Lath and Shingles, 3; Millinery, 3; Oils, 1; Watches and Jewelry, 2; Not enumerated, 68; General Stores, 28; Professions, 26; Banks, 1.

Trades and Manufactures—Boot and Shoe Makers, 8; Breweries, 1; Carriages and Wagons, 15; Clothing 2; Confectioner, Bakers, 5; Coopers, 1; Flour Mills, 19; Foundries, 1; Harness, 3; Saw Mills, 2; Not enumerated, 2; Blacksmiths, 22; Carpenters, 7.

Townships Reported—Wilmington, Crooked Creek, Mayville, Caledonia, Hokah, Spring Grove, Houston.

Religious Denominations—Lutheran, Catholic, Presbyterian, Methodists, Episcopalians, Baptists; membership, not all reported.

Private Educational Institutions—Notre Dame, Caledonia Academy, and Convent School; teachers employed, 7; scholars attending, 169; value of structures, \$12,500.

Villages—Spring Grove, Rushford, Caledonia, Hokah, Houston.

Population, estimated at 3,750.

General merchandise stores, 22; value stock, \$106,200; persons employed, 38.

Drug stores, 4; value stock \$8,500; persons employed, 6.

Hardware stores, 4; persons employed; 6.

Other stores, 4; value stock, \$6,500; persons employed, 5.

Livery stables, 1; persons employed, 4.

Hotels, 13; persons employed, 24.

Livery stables, 1; men employed 2.
 Blacksmith shops, 18; about \$54,400 business annually; persons employed, 29.
 Other shops, 9, (1 R. R. shop); men employed, 54.
 Population, 8,265; comprising Scandinavians, English, Irish, Germans and Americans.
 Streams—Mississippi and Root Rivers, Beaver, Crooked and Riceford Creeks.

Isanti County—Cambridge, County Seat.

Organized townships, 11.
 Land surface, 273,623.49 acres.
 Taxable lands, 189,317 acres.
 Cultivated land, 12,781 acres.
 Increase of cultivated land during the year, 2,815 acres.
 Bushels wheat produced in 1877, 82,411.
 Assessed valuation of real and personal property, \$607,107.
 Farms in county, 842.
 Bonded indebtedness of the county, \$4,150.
 No. school districts, 35; No. school houses, 33; No. scholars enrolled, 1,050.
 Births during 1877, 172.
 Deaths during 1877, 43.
 Villages, 1.
 Flour and Grist Mills, 4; run of stone, 5; men employed, 5.
 Saw Mills, 6; lumber manufactured, 1,500,000 feet; men employed, 25 to 30.
 Newspapers published, 1; men employed, 1; circulation, 300.
 Postoffices—Cambridge, Isanti, Maple Ridge, North Branch, Oxford, Spencer Brook, Spring Vale, Stanchfield.
 Business Houses—Drugs, 1; Watches and Jewelry, 1; Not enumerated, 1;
 General Stores, 4; Professions, 2.
 Trades and Manufactures—Flour Mills, 6; Newspapers, 1; Saw Mills, 7; Not enumerated, 1; Blacksmiths, 1.
 Townships Reported—Isanti, Spencer Brook, Cambridge, Stanchfield, North Branch, Maple Ridge, and Oxford.
 Religious Denominations—Methodists, Lutherans, Baptists; membership, 760; value of structures, \$4,400.
 Villages—Cambridge City, Spencer Brook.
 Population, estimated at 240.
 General merchandise stores, 4; value stock, \$15,000; persons employed, 6.
 Drug stores, 1; value stock, \$2,000; persons employed, 1.
 Hotels, 4; about \$4,800 business annually; persons employed, 6.
 Blacksmith shops, 11; about \$18,480 business annually; persons employed, 13.
 Other shops, 1; men employed, 3.
 Population, 3,530; comprising Scandinavians, Americans, French and Germans.
 Lakes—Fanny, Florence, Orlinda, Reuben, Long, Pine, Grass, Spring, Typo, and Horseshoe.
 Streams—Rum River, and Sunrise, Stanchfield and Isanti Creeks.

Itasca County—Unorganized and not Surveyed.

Total area (estimated), 3,056,320 acres, of which 220,800 acres is included in Indian reservation.

Taxable land, 128,721 acres.

Assessed valuation of real and personal property, \$260,942

Postoffices—Itasea.

Jackson County—Jackson, County Seat.

Prairie.

Organized townships, 20.

Arable land, 469,378.86 acres.

Taxable land, 138,368 acres.

Cultivated land, 21,000 acres.

Increase of cultivated land during the year, 11,774 acres.

Bushels wheat produced in 1877, 33,208 acres.

Assessed valuation of real and personal property, \$765,314.

Farms in county, 587.

Bonded indebtedness of the county, \$8,304.

Railway lines, 2; miles, 30.

No. school districts, 54; No. school houses, 31; No. scholars enrolled, 849.

Births during 1877, 160.

Deaths during 1877, 34.

Villages, &c., 2.

Flour and Grist Mills, 3; run of stone, 8; men employed, 16.

Wheat Warehouses, 2.

Newspapers published, 1; men employed, 2; language, English; circulation, 700.

Postoffices—Belmont, Brownsburgh, Heron Lake, Jackson, Namsos, Orr, Petersburgh, Round Lake, Somerset.

Business Houses—Boots and Shoes, 1; Coal and Wood, 1; Drugs, 1; Hardware, Stoves and Tinware, 1; Not enumerated, 3; General Stores, 6; Professions, 2.

Trales and Manufactures—Flour Mills, 2; Saw Mills, 1; Blacksmiths, 1.

Townships Reported—Jackson, Delafield, LaCrosse and Weimer. (One other town reported, but no name given.)

Religious Denominations—Lutherans and Methodists; membership. 95.

Villages—Heron Lake.

Population, estimated at 150.

General merchandise stores, 3; value stock, \$10,000; persons employed, 7.

Drug stores, 1; value stock, \$1,000; persons employed 2.

Hardware stores, 1; value stock, \$1,500; persons employed, 1.

Hotels, 1; about \$2,000 business annually; persons employed, 2.

Blacksmith shops, 4; about \$2,800 business annually; persons employed, 4.

Other shops, 1; about \$500 business annually; persons employed, 1.

Population, 903; comprising Scandinavians, Americans and Germans.

Lakes—Heron, Timber and Clare.

Streams—Heron River, and Okabena Creek.

Kanabec County—Brunswick, County Seat.

Organized townships.

Land surface, 337,536 acres.

Taxable land, 154,197 acres.

Cultivated land, 681 acres.
 Increase of cultivated land during the year, 232 acres.
 Bushels wheat produced in 1877, 1,712.
 Assessed valuation of real and personal property, \$350,783.
 Farms in county, 81.
 No. school districts, 7; No. school houses, 5; No. scholars enrolled, 68.
 Business. Wholesale and Retail. and Professions—Lumber, lath and shingles, 1; not enumerated, 1; general stores, 1.
 Post Offices—Brunswick, Grass Lake.

Kandiyohi County—Wilmar, County Seat.

Prairie, with numerous groves and lakes.
 Organized townships, 20.
 Arable land, 497,183.15 acres.
 Taxable lands, 320,283 acres.
 Cultivated land, 58,379 acres.
 Increase of cultivated land during the year, 8,696 acres.
 Bushels wheat produced in 1877, 43,347.
 Assessed valuation of real and personal property, 2,433,565.
 Farms in county, 1,251.
 Bonded indebtedness, \$5,000.
 Railway lines, 1; miles, 26.
 No. school districts, 69; No. school houses, 32; No. scholars enrolled, 2,329.
 Births during 1877, 357; deaths during 1877, 64.
 Villages, 6.
 Flour and grist mills, 3; run of stone, 11; men employed, 20.
 Saw mills, 1; lumber manufactured, 20,000 feet; men employed, 2.
 Wheat elevators, 8; capacity, bushels, 260,000; men employed, 25.
 Newspapers published, 1; men employed, 3; language, English; circulation, 450.

Business, Wholesale and Retail, and Professions—Agricultural Implements, 3; Cigars and Tobacco, 1; Confectioners, 2; Drugs, 3; Flour and Feed, 2; Furniture, 1; Groceries, 1; Hardware, Stoves, and Tinware, 2; Lime, Plaster and Cement, 1; Lumber, Lath and Shingles, 2; Millinery, 2; Photographic Stock, 1; Watches and Jewelry, 1; Not enumerated business, 23; Elevators, 3; General Stores, 4; Professions, 8; Banks, 1.

Trades and Manufactures—Boot and Shoe Makers, 4; Bricks, 1; Carriages and Wagons, 4; Clothing, 2; Flour Mills, 6; Gunsmiths, 1; Harness, 4; Newspapers, 1; Saw Mills, 2; Not enumerated, 1; Blacksmiths, 7; Carpenters, 2.

Post offices—Atwater, Burbank, Colfax, Croydon, Georgeville, Green Lake, Harrison, Hull's Corners, Irving, Kandiyohi Station, Lake Elizabeth, Lake Lilian, New London, Norway Lake, Roseville, Saint John's Sunburgh, Warner, West Lake, Willmar.

Townships Reported—Colfax, Norway Lake, Zahlure, Genessee, New London, St. Johns, Harrison, Mamre.

Religious Denominations—Lutherans, Methodists and Presbyterians; membership, 1,713; value of structures, 10,750.

Villages—Atwater, St. Johns and New London.

Population estimated at 351.

General merchandise stores, 10; value stock, \$25,000; persons employed, 23.

Drug stores, 4; value stock, \$2,000; persons employed, 4.

Hardware stores 2; value stock, \$2,000; persons employed, 2.

Agricultural implement stores, 2; persons employed, 2.

Hotels, 4; men employed, 7.

Livery stables, 2; men employed 2.

Blacksmith shops, 4; annual business about \$4,400; men employed, 6.

Other shops, 8; men employed, 12.

Population, 3,116; comprising Scandinavians, Americans, English and Germans.

Lakes—Game, Swan, Timber, Prairie, Norway, Big Kandiyohi, Elizabeth, Minnetazer, Summit, Henry, Ella Green, Nest, St. John, Salmon, Swan and Mamre.

Streams—Crow river, and St. Johns and Shakopee creeks.

Lake County—Beaver Bay, County Seat.

Organized townships, 1.

Total area (estimated), 1,474,560 acres.

Taxable land, 70,952 acres.

Cultivated land, 141 acres.

Increase of cultivated land during the year, 2 acres.

Bushels wheat produced in 1877, —.

Assessed valuation of real and personal property, \$113,893.47.

Farms in county, 5.

No. school districts, 1; No. school houses, 1; No. scholars enrolled, 31.

Villages, 2.

Flour and grist mills, 1; run of stone. 1; men employed, 1.

Saw mills, 1; lumber manufactured, 1,000,000 feet; men employed, 16.

Business, Wholesale and Retail, and Professions—General stores, 1.

Trades and Manufactures—Furniture, 1; saw mills, 1.

Post Offices—Beaver Bay, Grand Marais.

Lac qui Parle County, Lac qui Parle, County Seat.

Generally rolling prairie.

Organized townships, 5.

Land surface, 495,339.31 acres.

Taxable land, 61,645 acres.

Cultivated land, 15,656 acres.

Increase of cultivated land during the year, 2,309 acres.

Bushels wheat produced in 1877, 51,016.

Assessed valuation of real and personal property, \$372,769.

Farms in county, 403.

Bonded indebtedness, \$2,000.

No. of school districts, 21; No. school houses, 9; No. scholars enrolled, 286.

Births during 1877, 72.

Deaths during 1877, 11.

Newspapers published, 1; men employed, 1; Language, —; circulation, 200.

Business, Wholesale and Retail, and Professions—Drugs, 1; not enumerated business, 2; general stores, 2; provisions, 2.

Trades and Manufactures—Not enumerated, 1; blacksmiths, 1.
 Post Offices—Camp Release, Cerro Gordo, Lac qui Parle, Millroy.
Townships Reported—Riverside, Ten Mile Lake.
 Population 435, comprising Scandinavians and Americans.
 Lakes—Ten Mile Lake.
 Streams—Lac qui Parle river.

Le Sueur County, Le Sueur Centre, County Seat.

Prairie and considerable body of timber; part of Big Woods.

Organized townships, 16.

Land surface, 280,142.76 acres.

Taxable land, 276,692 acres.

Cultivated land, 64,646 acres.

Increase of cultivated land during the year, 17,309 acres.

Bushels wheat produced in 1877, 482,202.

Assessed valuation of real and personal property, \$3,483,942.

Farms in county, 1,967.

Railway lines, 2; miles, 45.

No. school districts, 90; No. school houses, 86; No. scholars enrolled, 4,520.

Births during 1877, 441.

Deaths during 1877, 147.

Business, Wholesale and Retail, and Professions—Agricultural implements, 3; booksellers, stationers, 1; boots and shoes, 2; clothing, 2; drugs, 4; dry goods, 1; furniture, 3; grain, 1; groceries, 5; hardware, stoves and tinware, 3; lumber, lath and shingles, 3; millinery, 1; seeds, 1; watches and jewelry, 2; not enumerated business, 64; elevators, 2; general stores, 32; provisions, 16; banks, 3.

Trades and Manufactures—Agricultural implements, 1; boot and shoemakers, 4; breweries, 1; bricks, 1; carriages and wagons, 9; cigars, 1; clothing, 2; confectioners and bakers, 1; coopers, 3; flour mills, 9; furniture, 1; harness, 2; newspapers, 1; planing mills, 2; saw mills, 14; not enumerated, 10; blacksmiths, 17; carpenters, 9.

Post Offices—Anawauk, Caroline, Cleveland, Cordova, Dresselville, Elysian, Heidelberg, Kasota, Kilkenny, Lake Washington, Le Lueur, Le Sueur Centre, Lexington, Marysburgh, Montgomery, Ottawa, Rudolph, Saint Hubertus, Saint Thomas, Sharon, Union Hill, Waterville.

Townships Reported—Cordova, Village of Waterville, Cleveland, Elysian.

Religious Denominations—Catholic, Baptists, Episcopahan, Presbyterian, Methodists, Lutheran and United Brethren. Membership, 1,332; value of structures, \$12,660.

Villages—Cleveland, Elysian, Cordova and Waterville. Population estimated at 1,200.

General merchandise stores, 16; value stock, \$63,000; persons employed, 37. Drug stores, 6; value stock, \$7,400; persons employed, 9. Hardware stores, 4; value stock, \$20,000; persons employed, 16. Clothing, 3; value stock, \$8,000, persons employed, 6. Other stores, 8; value stock, \$16,150; persons employed, 17. Agricultural implement stores, 3; value stock, \$5,000; persons employed, 9. Hotels, 13; men employed, 21. Livery stables, 5; business annually, \$15,000; persons employed, 12. Blacksmith shops, 14; business annually, \$11,200; persons employed, 29. Other shops, 16; persons employed, 20. Private banks 2. annual deposits, \$100,000; exchange sold, \$70,000; persons employed, 5.

Population 3,800, comprising Americans, Germans, Scandanavians, English, Russians and Bohemians.

Streams—Minnesota and Cannon rivers, and Cherry creek.

Lakes—Francis, Dustan, Fish, Scotch, Jefferson, Henry, Tatorka, Sakatah and Garmon.

Lincoln County—Marshfield, County Seat.

Prairie.

Organized townships, 3.

Land surface, 336,355.20 acres.

Taxable lands, 10,788 acres.

Cultivated land, 3,393 acres.

Increase of cultivated land during the year, 1,181 acres.

Bushels wheat produced in 1877, 16,630.

Assessed valuation of real and personal property, 98,700.

Farms in county, 257.

Railroad lines, 1; miles, 10.

No. school district, 4; No. school houses, 4; No. scholars enrolled, 117.

Villages, &c., 2.

Business, Wholesale and Retail and Professions—Not enumerated business, 1; General Stores, 1.

Trades and Manufactures—Blacksmith shops, 2.

Post Offices—Alta Vista, Harstad, Lake Benton, Marshfield, Morse.

Townships reported—Hope, Lake, Stay.

Blacksmith shops, 1; men employed, 1.

Population, 160; comprising Americans, mostly.

Lakes—Black, Rush, Stay, Duck, Wilson, Lone Tree, Crystal.

Streams—Yellow Medicine.

Lyon County—Marshall, County Seat.

Prairie, hardly any timber.

Organized townships, 18.

Arable land, 452,022.70 acres.

Taxable land 63,866 acres.

Cultivated land, 20,142 acres.

Increase of cultivated land during the year, 6,950 acres.

Bushels wheat produced in 1877, 82,411.

Assessed valuation of real and personal property, \$571,727.

Farms in county, 534.

Bonded indebtedness, \$9,996.

Railway lines, 1; miles, 40.

No. school districts, 39; No. school houses, 21; No. scholars enrolled, 833.

Births during 1877, 90; deaths during 1877, 22.

Villages, &c., 3.

Flour and grist mills, 2; run of stone, 5; men employed, 5.

Wheat elevators, 8; capacity, 40,000 bushels; men employed, 8.

Newspapers published, 1; men employed, 2; language, English; circulation, 500.

Business, Wholesale and Retail, and Professions—Agricultural implements, 1; Boots and Shoes, 1; Drugs, 4; Groceries, 1; Hardware, Stoves and Tinware, 3; Lumber, Lath and Shingles, 2; Millinery, 2; Sewing Machines, 1; Not enumerated, 24; General Stores, 17; Professions, 8.

Trades and Manufactures—Bricks, 1; Carriages, 1; Flour Mills, 3; Furniture, 1; Gunsmiths, 2; Newspapers, 1; Blacksmiths, 6.

Post Offices—Amiret, Brenner, Camden, Ceresco, Grandview, Hildrethsburch, Island Lake, Lynd, Marshall, Minneota, Rock Lake, Sham Lake, Tracy.

Townships Reported—Madison, Monroe, Custer, Westerheim, Island Lake, Vallers, Lucas, Eidool, Bernadotte.

Religious Denominations—Congregational, Presbyterian and Lutheran; membership, 446; value of structures, \$1,900.

Villages—Amiret, Tracy Minneota; population of Minneota estimated at 150, General merchandise stores, 8; value stock, \$21,900; persons employed 11.

Drug stores, 2; value stock, \$2,200; persons employed, 2.

Hardware stores, 5; value stock, \$7,000; persons employed, 6.

Other stores, 3; value stock, \$3,400; persons employed, 3.

Agricultural implement stores, 6; value stock, 3,000; persons employed, 5.

Hotels, 5; men employed, 6.

Livery stables, 3; stock, \$25,000.

Blacksmith shops, 4; annual business, \$4,800; men employed, 5.

Other shops, 6; annual business, \$6,500; men employed, 6.

Population, 1,425; comprising Americans, Scandinavians, Welch, Germans and Scotch.

Lakes—Lake of the Hills, Long Lake, Island, Goose, Cottonwood, Eddy and Shaw.

Streams—Three Mile Creek, and Yellow Medicine and Big Cottonwood.

Mc Leod County, Glencoe, County Seat.

Organized townships, 13.

Land surface, 314,488.33 acres.

Taxable land, 380,431 acres.

Cultivated land, 44,026 acres.

Increase of cultivated land during the year, 14,439 acres.

Bushels wheat produced in 1877, 196,827.

Assessed valuation of real and personal property, \$2,692,437.

Farms in county, 1,337.

Bonded indebtedness, \$3,465.

Railway lines, 1; miles, 34.

No. school districts, 62; No. school houses, 61; No. scholars enrolled, 2,724.

Births during 1877, 316.

Deaths during 1877, 66.

Villages, &c., 8.

Flour and grist mills, 4; run of stone, 10; men employed, 11.

Saw mills, 5; men employed, 8.

Wheat elevators, 6; capacity, bushels, 73,000; men employed, 10.

Newspapers published, Glencoe Register and Mc Leod County Enterprise; men employed, 4.

Language, English; circulation, 1,572.

Business, Wholesale and Retail, and Professions—Agricultural implements, 6; boots and shoes, 2; drugs, 5; dry goods, 1; flour and feed, 2; furniture, 4; groceries, 3; hardware, stoves and tinware, 5; lumber, lath and shingles, 4; millinery, 3; photographic stock, 1; watches and jewelry, 3; wines and liquors, 1; not enumerated business, 23; elevators, 1; general stores, 10; professions, 13; banks, 1.

Trades and manufactures—Boot and shoemakers, 2; carriages and wagons, 2; clothing, 1; flour mills, 3; gunsmiths, 1; harness, 4; newspapers, 4; planing mills, 1; saw mills, 2; not enumerated, 1; blacksmiths, 4; carpenters, 2.

Post Offices—Bergen, Brush prairie, Collins, Glencoe, Hale, Hutchinson, Koniska, Lake Addie, Plato, Round Grove, Saint George, Silver Lake, Winsted Lake.

Townships Reported—Sumter, Penn, Round Grove, and Hutchinson.

Religious Denominations—Methodists, Congregationalists, Episcopalians and Adventists. Membership, 260; value of structures, \$5,200.

Villages—Hutchinson and Brownton. Population estimated at 925.

General merchandise stores, 5; value stock, \$11,000; persons employed, 18.

Drug stores, 2; value stock, \$2,000; persons employed, 4.

Hardware stores, 2; value stock, \$2,500; persons employed, 4.

Other stores, 2; value stock, \$1,000; persons employed, 4.

Agricultural implement stores, 3; value stock, \$5,000; persons employed, 10.

Hotels, 2; about \$2,500 business annually; persons employed, 5.

Livery stables, 1; men employed, 2.

Blacksmith shops, 5; men employed, 9.

Other shops, 6; men employed, 7.

Population, 3,275, comprising Germans, Americans, French, Scandinavians and Scotch.

Lakes—Judson, Hook, Round Grove, Ash Grove, Clear Lake, Addie.

Streams—Crow river, and Mud and Buffalo creeks.

Martin County—Fairmont, County Seat.

Organized townships, 20.

Land surface 450,650.31 acres.

Taxable land, 210,107 acres.

Cultivated land, 21,538 acres.

Increase of cultivated land during the year, 9,546 acres.

Bushels wheat produced in 1877, 28,016.

Assessed valuation of real and personal property, \$1,219,336.

Farms in county, 605.

Railway lines, 1; miles, 32.

No. school districts, 64; No. school houses, 55; No. scholars enrolled, 1,236.

Births during 1877, 128; deaths during 1877, 20.

Villages, &c., 2.

Flour and grist mills 2; run of stone, 6; men employed, 6.

Wheat warehouses, 2; capacity, bushels, 40,000; men employed, 3.

Newspapers published, 1; Martin County Sentinel; men employed, 3; language, English; circulation, 750.

Business, Wholesale and Retail and Professions.—Agricultural Implements, 3; Boots and Shoes, 1; Drugs, 2; Furniture, 1; Grain, 1; Hardware, Stoves, and

Tinware, 2; Millinery, 3; Watches and Jewelry, 2; Not enumerated, business, 19; General Stores, 9; Professions, 11; Banks, 2.

Trades and Manufactures—Boot and Shoe Makers, 1; Breweries, 1; Carriages and Wagons, 1; Flour Mills, 4; Harness, 2; Machinists, 1; Newspapers, 1; Saw Mills, 1; Blacksmiths, 4; Carpenters, 3.

Post Offices—Cedarville, Centre Creek, Chain Lake Centre, Dunnell, East Chain Lakes, Farmont, Hayes, Horicon, Lake Belt, Lone Cedar, May, Monroe, Nashville Centre, North Star, Pleasant Prairie, Rose Lake, Rutland, Tenhassen, Waverly, Westford.

Townships Reported—Cedar, Silver Lake, Rolling Green, Rutland, Fox Lake, Galena, Pleasant Prairie, East Chain.

Religious Denominations—Congregationalists, Catholics, Baptists, Methodists, Adventists and Presbyterians; membership, 91; value of structures, \$500.

Villages—Cedarville, East Plaine; population estimated at 35.

General merchandise stores, 2; value stock, \$7,000; persons employed, 2.

Hotels, 2; about \$3,000 business annually; persons employed, 2.

Blacksmith shops, 5; men employed, 5.

Population, 1,931; comprising Scandinavians, Americans, Scotch, Germans, Irish, Canadians and English.

Lakes—Martin, High, Charlotte, Swasengo, Panther, Alva, Buffalo, Bonny, Snyder, Crooked Foot, Pierce, Iowa, Silver, Wilmot, Mill, Clear, McGoslin, Cedar, Fish, North, Long, Fox, Chain, Sinneischee, Imogene, East Chain, Mud, Burnt Out.

Streams—Cedar, South, Dutch and Centre creeks.

Meeker County—Litchfield, County Seat.

Organized townships, 17.

Land surface, 382,952.94 acres.

Taxable land, 299,000.

Cultivated land, 54,653 acres.

Increase of cultivated land during the year, 15,066 acres.

Bushels wheat produced in 1877, 241,895.

Assessed valuation of real and personal property, \$2,735,231.

Farms in County, 1,468.

Railway lines, 1; miles, 25½.

No. school districts, 64; No. school houses, 58; No. scholars enrolled, 2,976.

Births during 1877, 397.

Deaths during 1877, 98.

Villages, &c., 10.

Flour and grist mills, 12; run of stone, 43; men employed, 74.

Saw mills, 4; lumber manufactured, 1,500,000 feet; men employed, 32.

Wheat elevators, 6; capacity, bushels, 227,000; men employed, 12.

Newspapers published, two, Litchfield Ledger and Independent; men employed, 7; language, English; circulation, 1,300.

Business, Wholesale and Retail, and Professions—Agricultural implements, 4; boots and shoes, 2; confectioners, 1; clothing, 1; drugs, 3; dry goods, 2; flour and feed, 1; furniture, 2; grain, 2; groceries, 3; hardware, stoves and tinware, 3; lumber, lath and shingles, 6; millinery, 2; watches and jewelry, 4; not enumerated business, 50; elevators, 2; general stores, 18; professions, 19; banks, 2.

Trades and Manufactures—Boot and shoemakers, 3; breweries, 1; carriages and wagons, 4; clothing, 3; confectioners and bakers, 1; coopers, 1; flour mills, 11; gunsmiths, 1; harness, 3; newspapers, 2; saw mills, 7; not enumerated, 4; blacksmiths, 13; carpenters, 15.

Post Offices—Bonniwell's Mills, Cedar Mills, Collinwood, Cosmos, Crow River, Darwin, Dassel, Forest City, Greenleaf, Kingston, Lake Harold, Litchfield, Mannanah, Rosendale, Swede Grove.

Townships Reported—Acton, Dassel, Union Grove and Cosmos.

Religious Denominations—Lutheran, Methodists, Baptists. Membership, 430; value of structures, \$2,550.

Villages—Dassel and Village Grove. Population estimated at 460.

General merchandise stores, 5; value stock, \$22,000; persons employed, 15.

Drug stores, 2; value stock, 3,000; persons employed, 3.

Hardware stores, 2; value stock, 4,000; persons employed, 3.

Clothing and other stores, 4; value stock, \$1,200; persons employed, 4.

Agricultural implement stores, 1; persons employed, 2.

Hotels, 2; about \$2,000 business annually; persons employed, 4.

Livery stable, 1; value of stock, \$1,000; persons employed, 1.

Blacksmith shops, 6; annual business about \$12,000; persons employed, 9.

Other shops, 4; annual business about \$4,650; persons employed, 5.

Population 2,700, composing Germans, Scandinavians, Americans, English and Scotch.

Streams—Crow river, and Collingwood and Washington creeks.

Lakes—Cosmos, Washington, Thompson, Swan, Long, Hoop and Poppel.

Mille Lacs County—Princeton, County Seat.

Organized townships, 3.

Land surface, 363,192.90 acres.

Taxable land, 193,185 acres.

Cultivated land, 3,355 acres.

Increase of cultivated land during the year, 2,285 acres.

Bushels wheat produced in 1877, 24,378.

Assessed valuation of real and personal property, \$493,514.

Farms in county, 130.

No. school districts, 7; No. school houses, 7; No. scholars enrolled, 394.

Births during 1877, 37; deaths during 1877, 7.

Business, Wholesale and Retail, and Professions—Drugs, 1; Hardware, Stoves and Tinware, 1; Watches and Jewelry, 1; Not enumerated, 3; General Stores, 5; Professions, 3.

Trades and Manufactures—Flour Mills, 1; Newspapers, 1; Saw Mills, 2; Not enumerated, 2; Blacksmiths, 3.

Post Offices—Estes Brook, Princeton.

Morrison County—Little Falls, County Seat.

Organized townships, 9.

Land surface, 698,577.43 acres.

Taxable land, 217,396 acres.

Cultivated land, 12,355 acres.

Increase of cultivated land during the year, 2,743 acres.

Busheis wheat produced in 1877, 101,838.

Assessed valuation of real and personal property, 845,099.

Farms in county, 489.

Railway lines, 1; miles, 23.

No. school districts, 23; No. school houses, 17; No. scholars enrolled, 771.

Births during 1877, 173; deaths during 1877, 27.

Villages, 1.

Flour and grist mills, 4; run of stone, 9; men employed, 40.

Saw mills, 5; lumber manufactured, 2,000,000 feet; men employed, 60.

Newspapers published, 2; Little Falls Transcript and Morrison Co. Banner; men employed, 4; language, English; circulation, 700.

Trades, Wholesale and Retail, and Professions—Drugs, 1; Flour and feed, 1; Not enumerated, 9; General Stores, 12; Professions, 10.

Trades and Manufactures—Boot and Shoe Makers, 3; Carriages and Wagons, 1; Flour Mills, 5; Hat Bleachers, 1; Newspapers, 1; Saw Mills, 8; Tin and Sheet Iron, 1; Blacksmiths, 4.

Post Offices—Belle Prairie, Buckman, Culdrum, Elm Dale, Green Prairie, Le-doux, Little Falls, Little Texas, Motley, North Prairie, Pike Rapids, Rich Prairie, Royalton, Swan River. Two Rivers.

Townships Reported—Swan River, Belle Prairie, Culdrum, Bellevue.

Religious Denominations—Congregationalists, Catholics and Union; membership, 317; value of structures, \$6,000.

Private Educational Institutions—Catholic school; teachers employed, 2; scholars attending, 40; value of structure, \$3,000.

Villages—Belle Prairie and Bellevue.

General merchandise stores, 1; value stock, 1,500; persons employed, 1.

Hotels, 1.

Blacksmith shops, 5; men employed, 6.

Population, 1,730; comprising French, Germans, Irish, Poles English, Canadians and Americans.

Streams—Mississippi and Platte rivers.

Lakes—Beauty.

Mower County—Austin, County Seat.

Organized townships, 22

Land surface, 455,824.88 acres.

Taxable land, 443,729 acres.

Cultivated land, 126,722 acres.

Increase of cultivated land during the year, 14,216 acres.

Busheis wheat produced in 1877, 1,476,073.

Assessed valuation of real and personal property, \$7,231,940.

Farms in county, 1,811.

Railway lines 3, miles 90.

No. school districts, 111; No. school houses, 103; No. scholars enrolled, 4,654.

Births during 1877, 505.

Deaths during 1877, 178.

Business, Wholesale and Retail, and Professions—Agricultural implements, 14; boots and shoes, 3; coal and wood, 5; confectioners, 2; clothing, 4; drugs, 12; dry goods, 2; flour and feed, 1; furniture, 4; grain, 22; groceries, 8; hardware,

stoves and tinware, 10; leather and shoe findings, 1; lumber, lath and shingles, 13; millinery, 6; photographic stock, 3; sewing machines, 2; watches and jewelry, 4; not enumerated business, 80; elevators, 2; general stores, 38; professions, 26; banks, 7.

Trades and Manufactures—Boot and shoemakers, 5; breweries, 1; brooms, 2; carriages and wagons, 6; clothing, 4; confectioners, 2; coopers, 1; flour mills, 10; marble, 1; newspapers, 3; pop and ginger ale bottles 1; saw mills 1; tin and sheet iron, 1; not enumerated, 4; blacksmiths, 26; carpenters, 9; foundries, 1; harness, 10.

Post Offices—Adams, Austin, Brownsdale, Dexter, Frankford, Grand Meadow, Lansing, Le Roy, Lyle, Root River, Rose Creek, Taopi, Udolpho, Varco.

Townships Reported—Village of Lyle, Grand Meadows, Brownsdale, Waltham, Village of Grand Meadows, Bennington, Udolpho, Lansing, Pleasant Valley, Dexter.

Religious Denominations—Lutherans. Congregationalists, Catholics, Christians, Episcopalians, Methodists and Universalists. Membership, 1,865; value of structures, \$28,300.

Private Educational Institutions—St. Catharine's and St. Augustine's schools; teachers employed, 3; scholars attending, 150; value of structures, \$2,000.

Villages—Lansing, Ramsey, Lyle, Grand Meadow, Dexter.

Population estimated at 1,620.

General merchandise stores, 46; value stock, \$10,500; persons employed, 97.

Drug stores, 10; value stock, \$15,950; persons employed, 20.

Hardware stores, 9; value stock, \$29,150; persons employed, 21.

Clothing stores, 5; value stock, \$9,750; persons employed, 12.

Other stores, 16; value stock, \$12,600; persons employed, 34.

Agricultural implement stores, 11; value stock, \$10,000; persons employed, 17;

Hotels, 15; about \$36,000 business annually; persons employed, 28.

Livery stables, 6; about \$7,200 business annually; persons employed, 12.

Blacksmith shops, 20; about \$45,000 business annually; persons employed, 24.

Other shops, 16; persons employed, 28.

Population 6,870, comprising Scandinavians, Americans, Germans, Irish and English.

Lakes—Norwegian.

Streams—Root river and Cedar creek.

Murray County—Currie, County Seat.

Organized townships, 15.

Land surface, 454,558.03 acres.

Taxable lands, 59,271 acres.

Cultivated land, 8,350 acres.

Increase of cultivated land during the year, 3,558 acres.

Bushels wheat produced in 1877, 42,112.

Assessed valuation of real and personal property, \$300,042.

Farms in county, 257.

Bonded indebtedness of the county, \$9,000.

No. school districts, 21; No. school houses, 14; No. scholars enrolled, 336.

Births during 1877, 53.

Deaths during 1877, 11.

Flour and grist mills, 1; run of stone, 2; men employed, 2.

Newspapers published, 1; language, English; circulation, 400.

Business Houses and Professions—General Stores, 2; Other stores, 3; Professions, 2.

Trades and Manufactures—Boot and Shoe-makers, 1; Flour Mills, 1; Newspapers, 1; Trunks and valises, 1; Blacksmiths, 26; Carpenters, 9; Not enumerated, 4.

Post Offices—Ben. Franklin, Bondin, Current Lake, Currie, Lime Lake, Lowville, Murray Centre, Thrall.

Townships Reported—Centre, Skandia, Ellsborough, Bordin, Lake Sarah, Lime Lake, Okacheeda, Cameron and Lowville.

Religious Denominations—Lutherans, Methodists and Presbyterians; membership 304; value of structures, \$525.

Villages—Avoca; population estimated at 10.

Stores, 1; value of stock, \$400; persons employed 1.

Blacksmith shops, 4; business annually about \$1,800; persons employed, 5.

Population, 1,198; comprising Americans, English, Scandinavians, Scotch, Irish and Germans.

Streams—Redwood river and Beaver, Lime and Jack Creeks.

Lakes—Tibbets, Bear, Round, Shetek, Beauty, Lime, Sarah, Seven Mile, Current, Iron and Rush.

Nicollet County—St. Peter, County Seat.

Organized townships, 14.

Land surface, 281,388.38 acres.

Taxable land, 264,609 acres.

Cultivated land, 71,544 acres.

Increase of cultivated land during the year, 38,515 acres.

Bushels wheat produced in 1877, 49,148.

Assessed valuation of real and personal property, \$3,405,526.

Farms in county, 1,282.

Bonded indebtedness, \$5,000.

Railway lines, 1; miles, 25.

No. school districts, 51; No. school houses, 51; No. scholars enrolled, 2,959.

Births during 1877, 395.

Deaths during 1877, 155.

Villages, 2.

Flour and Grist Mills, 3; run of stone, 7; men employed, 20.

Saw Mills, 1 (reported from town clerk); lumber manufactured, 50,000 feet; men employed, 4.

Wheat Elevators, 2; capacity, bushels, 200,000; men employed, 2.

Newspapers published, 2; men employed, 4; language English; circulation, 1,200.

Business, Wholesale and Retail, and Professions—Agricultural implements, 4; Booksellers, Stationers, 2; Boots and Shoes, 5; Butter, 1; Clothing, 1; Drugs, 2; Furniture, 3; Grain, 1; Groceries, 5; Hardware, Stoves and Tinware, 6; Lumber, Lath and Shingles, 2; Millinery, 2; Photographic Stock, 2; Sewing Machines, 1; Watches and Jewelry, 2; Not enumerated business, 14; Elevators, 2; General Stores, 20; Professions, 3; Banks, 1.

Trades and Manufactures—Agricultural Implements, 1; Boots and Shoe-makers, 3; Breweries, 4; Brushes, 1; Carriages and Wagons, 6; Cigars, 2;

Clothing, 1; Coopers, 2; Flour Mills, 2; Foundries, 1; Gun Smiths, 2; Harness, 5; Machinists, 1; Marble, 1; Newspapers, 2; Sash, Doors and Blinds, 1; Tin and Sheet Iron, 3; Black Smiths, 14; Carpenters, 6.

Post Offices—Bernadotte, Courtland, Fort Ridgley, Granby, Hebron, Nicollet, Norseland, Oshawa, St. Peter, West Newton.

Townships Reported—Traverse, Lafayette, Courtland, Nicollet, Bernadotte.

Religious denominations—Methodists, Catholics, Lutherans, Evangelical and Congregationalists. Membership, 800; value of structures, \$11,100.

Private Educational Institutions—Lutheran schools; teachers employed, 3; scholars attending, not reported; value of structures, \$1,090.

Villages—Traverse des Sioux, Nicollet Station; Population estimated at 126.

General merchandise stores, 2; value stock, \$2,400; persons employed, 4.

Hardware stores, 1; value stock, \$400; persons employed, 1.

Other stores, 1; value stock, \$1,500; persons employed, 2.

Agricultural Implement stores, 1; value of stock, \$750; persons employed, 2.

Hotels, 1; about \$1,500 business annually; persons employed, 2.

Livery stables, 1; persons employed, 1.

Blacksmith shops, 4; business annually about \$4,000; men employed, 6.

Other shops, 5; business annually about \$3,700; men employed, 7.

Population 4,000, comprising English, Scandanavians, French, Germans and Americans.

Streams—Minnesota and Rush rivers.

Lakes—Swan, Rodgers, Timber, Horse Shoe and Middle.

Nobles County—Worthington, County Seat.

Organized townships, 16.

Arable land, 454,876.52 acres.

Taxable lands, 170,173 acres.

Cultivated land, 25,251 acres.

Increase of cultivated land during the year, 11,103 acres.

Bushels wheat produced in 1877, 104,121.

Assessed valuation of real and personal property, \$877,893.

Farms in county, 593.

Bonded indebtedness of the county, \$14,500.

Railway lines, 2; miles, 46.

No. school districts 57; No. school houses, 34; No. scholars enrolled, 747.

Births during 1877, 94.

Deaths during 1877, 22.

Villages, &c., 5.

Flour and grist mills, 1; run of stone, 5; men employed, 10.

Wheat warehouses, 4; capacity, bushels, 5,000; men employed, 8.

Newspapers published, 2; Journal and Advance; men employed, 5; language, English; circulation, 1,032.

Business, Wholesale and Retail, and Professions—Agricultural Implements, 3; Booksellers, Stationers, 1; Boots and Shoes, 2; Clothing, 1; Drugs, 2; Furniture, 2; Grain, 2; Groceries, 4; Hardware, Stoves and Tinware, 3; Lumber, Lath and Shingles, 4; Millinery, 2; Watches and Jewelry, 1; not enumerated business, 25; Elevators, 1; General Stores, 8; Professions, 6; Banks, 1.

Trades and Manufactures—Boots and Shoe-makers, 1; Flour Mills, 1; Newspapers, 2; Tin and Sheet Iron, 1; Blacksmith, 3; Carpenters, 3.

Post Offices—Adrian, Bigelow, Creswell, Graham Lakes, Grand Prairie, Hersey, Jack Creek, Little Rock, Rushmore, Seward, Westside, Worthington.

Townships Reported—Dewall, Ransom, Bigelow, Grand Prairie, Graham Lake, Summit Lake, Indian Lake and Elk.

Religious denominations—Methodists, Latter Day Saints, Catholics Lutherans, Baptists and United Brethren. Membership, 400; value of structures, \$500.

Villages—Bigelow, Grand Prairie and Ransom; population estimated at 485.

General Merchandise Store, 1; value stock, \$2,000; persons employed, 1.

Hardware stores, 1; value stock, \$1,000; persons employed, 2.

Blacksmith shops, 5; annual business about \$4,000; persons employed, 5.

Other shops, 4; men employed, 5.

Population 1,596, comprising Americans, Scandinavians, Germans, English, Irish and Scotch.

Streams—Little Rock, Ocheida, Norwegian, Jack and Elk creeks.

Lakes—Silver Chain, Ocheida, Graham, Clear, Summit, Cora Belle, and Indian.

Olmsted County—Rochester, County Seat.

Organized townships, 18.

Land surface, 420,121.43 acres.

Taxable lands, 418,402 acres.

Cultivated land, 197,286 acres.

Increase of cultivated land during the year, 22,605 acres.

Bushels wheat produced in 1877, 2,355,372.

Assessed valuation of real and personal property, \$10,337,473.

Farms in county, 1,993.

Railway lines, 4; miles, 80.

No. school districts, 136; No. school houses, 141; No. scholars enrolled, 6,602.

Births during 1877, 636; Deaths during 1877, 246.

Villages, &c., 22.

Flour and grist mills, 10.

Wheat elevators, 22; capacity, bushels, 700,000.

Newspapers published, 2; Record & Union and The Post; men employed, 15; language, English; circulation, 2,400.

Business, Wholesale and Retail, and Professions — Agricultural Implements, 11; Booksellers, Stationers, 3; Boots and Shoes, 7; Coal and Wood, 1; Commission Merchants, 2; Confectioners, 4; Clothing, 5; Drugs, 9; Dry Goods, 6; Flour and Feed, 1; Grain, 7; Groceries, 2—17; Hardware, Stoves and Tinware, 7; Hides, Pelts, &c., 1; Lumber, Lath and Shingles, 5; Millinery, 7; Photographic Stock, 4; Pianos and Organs, 2; Sewing Machines, 2; Watches and Jewelry, 6; Wines and Liquors, 2; not enumerated business, 107; General Stores, 27; Professions, 32; Banks, 3.

Trades and Manufactures — Agricultural Implements, 2; Boots and Shoemakers, 11; Breweries, 2; Bricks, 1; Carriages and Wagons, 9; Cigars, 1; Clothing, 1; Confectioners and Bakers, 3; Coopers, 2; Flour Mills, 10; Foundries, 5; Furniture, 6; Gun Smiths, 1; Harness, 7; Marble, 2; Newspapers, 3; Plaining Mills, 2; Pop and Ginger Ale Bottlers, 1; Printers, Book and Job, 4; Saw Mills, 1; not enumerated, 2; Blacksmiths, 24; Carpenters, 6.

Post Offices—Byron, Carrollsville, Cascade, Chester, Dover Centre, Eyota, Farm Hill, Genoa, Hanson, High Forest, Little Valley, Marion, Olmsted, Orono-

co, Othello, Pleasant Grove, Potsdam, Quincy, Rochester, Rock Dell, Six Oaks, Stewartville, Viola.

Townships Reported—Haverhill and Marion.

Religious Denominations—Methodists, Presbyterians, Baptists and Christians; membership, 260; value of structures, \$6,500.

Villages—Marion and Chester.

General merchandise stores, 2; value stock, \$7,000; persons employed, 4.

Hotels, 3; about \$3,000 business annually; persons employed, 3.

Blacksmith shops, 4; about \$5,400 business annually; persons employed, 6.

Population, 2,100; comprising Americans, Irish, Germans and English.

Otter Tail County, Fergus Falls, County Seat.

Organized townships, 37.

Land surface, 1,266,977.13 acres.

Taxable lands, 408,082 acres.

Cultivated land, 56,536 acres.

Increase of cultivated land during year, 11,841 acres.

Bushels wheat produced in 1877, 358,796.

Assessed valuation of real and personal property, \$1,970,169.

Farms in county, 1,878.

Railway lines, 1; miles, 45.

No. school districts, 107; No. school houses, 59; No. scholars enrolled, 2,500.

Births during 1877, 538; Deaths during 1877, 89.

Business, Wholesale and Retail, and Professions—Agricultural Implements, 6; Boots and Shoes, 1; Cigars and Tobacco, 1; Confectioners, 2; Drugs, 4; Flour and Feed, 1; Fruits, Foreign and Domestic, 1; Furniture, 1; Grain, 1; Groceries, 1; Hardware, Stoves and Tinware, 2; Lumber, Lath and Shingles, 2; Watches and Jewelry, 2; not enumerated business, 29; General Stores, 18; Professions, 8; Banks, 1.

Trades and Manufactures — Boots and Shoe-makers, 1; Breweries, 1; Carriages and Wagons, 3; Cigars, 1; Clothing, 1; Flour Mills, 9; Harness, 1; Planing Mills, 1; Saw Mills, 5; not enumerated, 2; Blacksmiths, 7; Carpenters, 1.

Post Offices—Amor, Aurdale, Beaver Dam, Bluffton, Clitherall, Dania, Elizabethtown, Fergus Falls, Leaf Mountain, Maine, New York Mills, Norwegian Grove, Otter Tail City, Parkdale, Parker's Prairie, Pelican Lake, Pelican Rapids, Perham, Rush Lake, Saint Oloff, Scambler, Throndeim, Tordenskjold, Turtle Lake, Western, Woodside and Wrightstown.

Pine County—Pine City, County Seat.

Organized townships, 4.

Land surface, 906,253.77 acres.

Taxable land, 236,239 acres.

Assessed valuation of real and personal property, \$611,521.

Bonded indebtedness of the county, \$18,556.

Railway lines 1; miles 50.

No. school districts, 7; No. school houses, 4; No. scholars enrolled, 163.

Births during 1877, 18.

Deaths during 1877, 13.

Saw mills, 6; Lumber manufactured, 11,000,000 feet; reported from three mills only; men employed, 150.

Newspapers published, 1.

Business, Wholesale and Retail, and Professions — Booksellers, Stationers, 1; Confectioners, 2; Lumber. Lath and Shingles, 1; not enumerated business, 19; General Stores, 9; Professions, 4.

Trades and Manufactures—Boots and Shoe-makers, 1; Planing Mills, 1; Saw Mills, 6; not enumerated, 2; Blacksmiths, 1; Carpenters, 4.

Post Offices—Belknap. Hinckley, Kettle River Station, Mission Creek, Pine City, Rock Creek.

Townships Reported—Chengwatana, Pine City and Hinckley.

Religious denominations—Presbyterians.

Villages—Pine City, Hinckley. Population estimated at 700.

General Merchandise stores, 6; value of stock, \$16,000; persons employed, 12.

Other stores, 1; value of stock, \$500; persons employed, 1.

Hotels, 4; about \$12,000 business annually; persons employed, 8.

Blacksmith shops, 3; \$1,500 business annually; persons employed, 3.

Other shops, 4; persons employed, 6.

Population, 830; comprising Americans, Germans and Half Breed Indians.

Lakes—Pokagama, Cross and Grindstone.

Streams—Snake river and Grindstone creek.

Polk County—Crookston, County Seat.

(Not fully surveyed.)

Organized Townships, 5.

Total area 2,963,640 acres of which 560,800 acres is included in Indian reservation.

Taxable lands, 56,670 acres.

Cultivated lands, 9,800 acres.

Increase of cultivated land during the year, 4,650 acres.

Bushels wheat produced in 1877, 102,745.

Assessed valuation of real and personal property, \$356,211.

Farms in county, 347.

Railway lines, 2; miles, 90.

No. school districts, 17; No. school houses, 5; No. scholars enrolled, 271.

Births during 1877, 96.

Deaths during 1877, 39.

Business, Wholesale and Retail, and Professions—Grain, 1; Lumber, Lath and Shingles, 2; not enumerated business, 22; General Stores, 7.

Trades and Manufactures—Confectioners and Bakers, 2; Flour Mills, 2; Saw Mills, 4; Blacksmiths, 2.

Post Offices—Ada, Crookston, Farley, Fisher's Landing, Hendrum, Nashville, Polk City, Red Lake Falls, Twine Valley, Wild Rice.

Townships Reported—Andover, Shelly, McDonaldville, Hendrum, Vineland, Fossum.

Religious denominations—Lutherans; membership, 487; value of structure, \$350.

Villages—Ada, Polk City, and Andover. Population estimated at 191.

General merchandise stores, 3; value of stock, \$8,000; persons employed, 5.

Hardware stores, 1; value of stock, \$1,500; persons employed, 2.
 Clothing and other stores, 3; value of stock, \$2,100; persons employed, 4.
 Agricultural Implement stores, 2; persons employed, 3.
 Hotels, 3; persons employed, 3.
 Blacksmith shops, 5; annual business, \$4,000; persons employed, 5.
 Population, 1,650, comprising Scandinavians, Germans and Americans.
 Streams—Wild Rice, Sand Hill, Red and March creeks.
 Lakes—Long.

Pipestone County; ———, County Seat.

Arable land, 277,892.07 acres.
 Post Offices—Pipestone, Ridge.

Pope County—Glenwood, County Seat.

Organized Townships, 18.
 Arable land, 350,000 acres.
 Land surface, 424,710.51 acres.
 Taxable lands, 221,253 acres.
 Cultivated lands, 32,936 acres.
 Increase of cultivated lands during the year, 1,812 acres.
 Bushels wheat produced in 1877, 76,258.
 Assessed valuation of real and personal property, 1,039,616.
 Farms in county, 742.
 Bonded indebtedness, \$12,000.
 Railway lines, 1; miles, 2.
 No. School Districts, 50; No. school houses, 40; No scholars enrolled, 1,139.
 Births during 1877, 198.
 Deaths during 1877, 44.
 Villages, 2.
 Flour and Grist Mills, 4; run of stone, 7; men employed, 7.
 Saw Mills, 1 (town report.)
 Lumber manufactured, 10,000 feet; men employed, 5.
 Newspapers published, 1; men employed, 1; language, English; circulation, 250.
 Business, Wholesale and Retail, and Professions—Drugs, 1; Hardware, Stoves and Tinware, 1; Photographic Stock, 1; not enumerated business, 4; General Stores, 8; Professions, 2; Banks, 1.
 Trades and Manufactures—Flour Mills, 3; Saw Mills, 1; Tin and Sheet Iron, 1; Blacksmiths, 3.
 Post Offices—Anderson, Blue Mounds, Chippea Falls, Gilchrist, Glenwood Grove Lake, Horeb, Lake Amelia, Lake Johanna, Langhei, New Prairie, Nora, Otto, White Bear Centre.
 Townships Reported—White Bear Lake, Gilchrist, Blue Mounds, New Prairie, Walden, Glenwood, Chippewa Falls, and Leven.
 Religious Denominations—Lutherans, Presbyterians and Baptists; membership, 611; value of structures, \$2,845.
 Villages—Chippewa Falls, Glenwood; population estimated at 140.
 General merchandise stores, 6; value stock \$19,500; persons employed, 9.
 Drug stores, 1; value stock, \$500; persons employed, 1.
 Hardware stores, 1; value stock, \$2,000; persons employed, 1.

Other stores, 1; value stock, \$500; persons employed, 1.
 Hotels, 2; about \$1,800 business annually; persons employed, 2.
 Livery stables, 1; men employed, 1.
 Blacksmith shops, 4; annual business about \$4,500; persons employed, 4.
 Population, 3,061, comprising Scandinavians, Americans, Germans, Scotch, Irish.

Lakes—Gilchrist, Scandinavian, Summons, Emily, Whipple, Amelia, Pelican, Round, Swenoda, Star and Leven.

Streams—Little Chippewa and Chippewa river, and Trappers' Creek.

Ramsey County—St. Paul, County Seat.

(For Commerce and Manufactures, see St. Paul City.)

Organized townships, 6.

Land surface, 98,493.47 acres.

Taxable lands, 81,021 acres.

Cultivated lands, 13,494 acres.

Increase of cultivated land during the year, 1,359 acres.

Bushels wheat produced in 1877, 104,331.

Assessed valuation of real and personal property, \$24,704,092.

Farms in county, 286.

Railway lines (see St. Paul city.)

No. of school districts, 20; No. school houses, 27; No. scholars enrolled, 5,155.

Births during 1877, 1,573; Deaths during 1877, 478

Business, Wholesale and Retail and Professions—Agricultural Implements, 10; Bookseller, Stationers, 2—14; Boots and Shoes, 2—27; Butter, 6; Carpets, 1—4; Cigars and Tobacco, 6—18; Coal and Wood, 11; Commission Merchants, 20; Confectioners, 4—23; Crockery and Glassware, 2—4; Clothing, 3—13; Drugs, 2—15; Dry Goods, 4—13; Flour and Feed, 17; Fruits, Foreign and Domestic, 4—2; Furniture, 19; Grain, 14; Groceries, 6—85; Gloves, 2; Hardware, Stoves and Tinware, 5—20; Hats, Caps and Furs, 4—7; Hides, Pelts, &c., 6; Iron, Steel, &c., 2; Leather and Shoe Findings, 1; Lime, Plaster and Cement, 4; Looking Glass Plates, 1; Lumber, Lath and Shingles, 5; Mill Machinery and Railroad Supplies, 10; Millinery, 4—15; Oils, 2—6; Oysters and Fish, 1; Photographs, 9; Pianos and Organs, 3; Printers' Materials, 1; Roots gathered in Minnesota, 1—; Saddlery Hardware, 3—; Seeds, 3; Sewing Machines, 8; Teas and Coffee, 3—3; Toys and Fancy Goods, 1—17; Watches, and Jewelry, 12; Wines and Liquors, 8—7; not enumerated business, 9—506; Elevators, 2; General Stores, 3; Professions, 107; Banks, 7.

Trades and Manufactures — Agricultural Implements, 2; Baking Powder, 2; Boilers, 2; Blank Books, 7; Boots and Shoe-makers, 24; Boxes, 5; Breweries, 10; Bricks, 2; Brooms, 2; Brushes, 2; Carriages and Wagons, 20; Cigars, 15; Clothing, 41; Confectioners and Bakers, 12; Crackers, 2; Coffee and Spices, 2; Coopers, 2; Engravers, 2; Engines and Cars, 1; Flour Mills, 9; Foundries, 7; Furs, 2; Gunsmiths, 3; Harness, 8; Jewelers, 1; Lithographers, 3; Machinists, 4; Marble, 4; Newspapers, 17; Pop and Ginger Ale Bottlers, 1; Pork Packers, 4; Printers, Book and Job, 12; Sash, Doors and Blinds, 3; Saw Mills, 5; Show Cases, 1; Soap and Candles, 1; Shirts, 7; Steam Heating, 3; Trunks and Valises, 2; Type Founders, 1; Vinegar, 1; not enumerated, 15; Blacksmiths, 29; Carpenters, 27.

Post Offices—Harvester Works, Saint Paul, White Bear Lake.

Redwood County—Redwood Falls, County Seat.

Organized Townships, 19.

Arable land, 558,643.10 acres.

Taxable land, 196,362 acres.

Cultivated land, 26,718 acres.

Increase of cultivated lands during the year, 11,035 acres.

Bushels wheat produced in 1877, 112,870.

Assessed valuation of real and personal property, \$1,342,885.

Farms in county, 585.

Bonded indebtedness of the county, \$50,000.

Railway lines, 2; miles, 40.

No. School Districts, 35; No. school houses, 12; No. scholars enrolled, 465.

Births during 1877, 128.

Deaths during 1877, 24.

Villages, 5.

Flour and grist mills, 2; Run of stone, 6; Men employed, 6.

Saw Mills, 1; men employed, 2.

Wheat Elevators, 4; capacity bushels, 150,000; men employed, 12.

Newspapers published, 2; Redwood Gazette and Lamberton Commercial; men employed, 4; language, English; circulation, 450.

Business, Wholesale and Retail, and Professions—Agricultural Implements, 3; Booksellers, Stationers, 1; Drugs, 3; Flour and Feed, 1; Furniture, 1; Grain, 1; Groceries, 5; Hardware, Stoves and Tinware, 4; Lumber, Lath and Shingles, 1; Millinery, 2; not enumerated business, 28; General Stores, 5; Professions, 7; Banks, 2.

Trades and Manufactures—Boots and shoe-makers, 1; Breweries, 1; Carriages and Wagons, 2; Confectioners and Bakers, 1; Flour Mills, 2; Furniture, 1; Harness, 3; Newspapers, 1; Saw Mills, 3; Tin and Sheet Iron, 1; Black Smiths, 6.

Post Offices—Lamberton, Lower Sioux Agency, New Avon, Redwood Falls, Sundown, Walnut Station.

Townships Reported—North Herd, Delhi, Charlestown, Underwood, Waterbury, Swedes Forest, Three Lakes, Springdale, Westline, Gales, New Avon, (one not named.)

Religious Denominations—Presbyterians, Lutherans and Methodists; membership, 158; value of structures, \$2,400.

Private Educational Institutions—Walnut Grove School House; teachers employed, 1; scholars attending, 35; value of structure, \$500.

Villages—Walnut Grove; population estimated at 35.

General merchandise stores, 6; value stock, \$21,000; persons employed, 9.

Drug stores, 1; value stock, \$300; persons employed, 1.

Hardware stores, 1; value stock, \$800; persons employed, 1.

Other stores, 1; value stock, \$300; persons employed, 1.

Agricultural implement stores, 3; value stock, \$500; persons employed, 4.

Livery stables, 1; about \$1,000 business annually; persons employed, 2.

Blacksmith shops, 2; men employed, 4.

Population, 20,150, comprising Scandinavians, Americans, Irish, Germans, English and Scotch.

Streams—Minnesota, Redwood, Cottonwood and Wabasha rivers; Plum and Sleepy Eye creeks.

Lakes—Mound, Horse Shoe, Three Lakes, Ramsey, Swan, Willow, Porters, and Long.

Renville County—Beaver Falls, County Seat.

Organized townships, 24.

Arable land, 400,680 acres.

Land surface, 621,878.02 acres.

Taxable land, 162,472 acres.

Cultivated land, 46,099 acres.

Increase of cultivated land during the year, 14,948 acres.

Business wheat produced in 1877, 133,030.

Assessed valuation of real and personal property, \$1,208,396.

Farms in county, 1,151.

Bonded indebtedness of the county, \$16,500.

Railway lines, 1; miles, 48.

No. school districts, 70; No. school houses, 33; No. scholars enrolled, 1,908.

Births, during 1877, 334; deaths, during 1877, 68.

Villages, &c., 9.

Flour and grist mills, 3; run of stone, 5; men employed, 10.

Saw mills, 2; lumber manufactured, 25,000 feet; men employed, 8.

Wheat elevators, 5; men employed, 25.

Newspapers published, 1; Renville Times; men employed, 1; language, English; circulation, 260.

Business, Wholesale and Retail, and Professions—Agricultural Implements, 1; Furniture, 1; Groceries, 1; Hardware, Stoves and Tinware, 2; not enumerated business, 6; General Stores, 11; Professions, 6.

Trades and Manufactures—Boots and Shoe-makers, 2; Flour Mills, 4; not enumerated, 2; Blacksmiths, 4; Carpenters, 1.

Post Offices—Beaver Falls, Birch Cooley, Bird Island, Eddsville, Ericson, Franklin, Gordon, Hector, Herzhorn, Jeannettville, Lakeside, New Lisbon, Palmyra, Plainfield, Reishus, Renville, Swansea, Vicksburgh, Wadsworth.

Townships Reported—Bird Island, Troy, Sacred Heart, Emmett, Norfolk, Hawk Creek, Birch Cooley, Cairo.

Religious Denominations—Catholics, Lutherans, Methodists and Evangelical.

Villages—Emmett Station, Sacred Heart, Bird Island and Olivia. Population estimated at 100.

General merchandise stores, 10; value stock, \$12,000; persons employed, 17.

Drug stores, 1; persons employed, 1.

Hardware stores, 4; value stock, \$4,700; persons employed, 7.

Other stores, 7.

Hotels, 4.

Blacksmith shops, 9; about \$12,600 business annually; persons employed, 9.

Population, 4,583; comprising English, French, Scandinavians, Irish, Germans, Canadians and Americans.

Streams—Minnesota river, Hawk, Beaver and Rush Lake creeks.

Lakes—Pelican, Howard and Rush.

Rice County—Faribault, County Seat.

Organized townships, 15.

Land surface, 313,908.87 acres.

Taxable land, 313,294 acres.

Cultivated land, 81,905 acres.

Increase of cultivated land during the year, 5,206 acres.

Bushels of wheat produced in 1877, 1,256,541.

Assessed valuation of real and personal property, \$7,534,883.

Farms in county, 201.

Railway lines, 1; miles, 24.

No. school districts, 105; No. school houses, 105; No. scholars enrolled, 6,211.

Births during 1877, 672.

Deaths during 1877, 214.

Saw mills, 2; lumber manufactured, 60,000 feet; men employed, 8.

Business, Wholesale and Retail, and Professions—Agricultural Implements, 7; Booksellers, Stationers, 4; Boots and Shoes, 9; Coal and Wood, 1; Confectioners, 7; Crockery and Glassware, 1; Clothing, 7; Drugs, 10; Dry Goods, 7; Flour and Feed, 2; Fruits, Foreign and Domestic, 1; Furniture, 6; Grain, 2; Groceries, 29; Gloves, 11; Harness, 1; Lumber, Lath and Shingles, 7; Millinery, 9; Photographs, 5; Sewing Machines, 2; Toys and Fancy Goods, 2; Watches and Jewelry, 9; Wines and Liquors, 1; not enumerated business, 118; General Stores, 38; Professions, 46; Banks, 4.

Trades and Manufactures—Boots and Shoemakers, 11; Breweries, 3; Bricks, 1; Carriages and Wagons, 19; Cigars, 3; Clothing, 8; Confectioners and Bakers, 4; Coopers, 3; Flour Mills, 17; Foundries, 3; Harness, 10; Machinists, 2; Marble 2; Newspapers, 6; Planing Mills, 2; Pork Packers, 1; Printers, Book and Job, 3; Sash, Doors and Blinds, 1; Saw Mills, 8; Shirts, 1; not enumerated, 8; Blacksmiths, 32; Carpenters, 12.

Post Offices—Cannon City, Dundas, East Prairieville, Faribault, Fowlersville, Hazelwood, Lester, Millersburgh, Morristown, Nerstrand, Northfield, Richland, Shieldsville, Union Lakes, Urland, Warsaw, Wheatland, Wheeling.

Townships Reported—Walcott, Cannon City, Webster, Richland, Wheeling and Wells.

Religious Denominations—Congregational, Christian, Episcopalian, Catholic, Baptist, Lutheran, Evangelical and Methodist. Membership, 1,498; value of structures, \$23,247.

Private Educational Institutions—German school; teachers employed, 1; scholars attending, ———; value of structures, \$600.

Villages—Cannon City.

General merchandise stores, 5; value stock, \$5,000; persons employed, 5.

Blacksmith Shops, 8; annual business about \$13,600; persons employed, 8.

Population 6,200, comprising Americans, Scandinavians, Germans. French, Irish and Belgians.

Streams—Cannon and Straight rivers and Prairie Creek.

Lakes—Union, Roberts, French and Cannon.

Rock County—Luverne, County Seat.

Organized Townships, 12.

Land surface, 276,247.04 acres.

Taxable lands, 100,028 acres.

Cultivated land, 35,110 acres.

Increase of cultivated land during the year, 9,104 acres.

Bushels wheat produced in 1877, 259,597.

Assessed valuation of real and personal property, \$761,824.

Farms in county, 571.

Bonded indebtedness of the county, \$54,683.

Railway lines, 1; miles, 21.

No. School Districts, 42; No. school houses, 16; No. scholars enrolled, 630.

Births during 1877, 79.

Deaths during 1877, 22.

Villages, 2.

Flour and Grist Mills, 1; run of stone, 2; men employed, 2.

Wheat elevators, 1; capacity, bushels, 40,000; men employed, 3.

Newspapers published, 1; men employed 3; language, English; circulation —

Business, Wholesale and Retail, and Professions—Agricultural implements, 2; Boilers, steam, 1; Coal and Wood, 1; Drugs, 3; Dry Goods, 1; Furniture, 2; Groceries, 2; Hardware, Stoves and Tinware, 4; Lumber, Lath and Shingles, 1; Watches and Jewelry, 1; not enumerated business, 19; General Stores, 11; Professions, 3; Banks, 1.

Trades and Manufactures—Carriages and Wagons, 2; Flour Mills, 1; Harness, 2; Newspapers, 1; Blacksmiths, 4; Carpenters, 3.

Post Offices—Ash Creek, Beaver Creek, Handy, Kongsberg, Luverne, Martin, Meadow, Springwater.

Townships Reported—Luverne.

Religious Denominations—Methodists, Baptists, Catholics, Lutherans and Presbyterians; membership, 222; value of structures, \$7,500.

Villages—Luverne; population estimated at 1,000.

General merchandise stores, 13; value of stock, \$40,000; persons employed, 20.

Drug stores, 2; value of stock, 4,000; persons employed, 3.

Hardware stores, 2; value of stock, 12,000; persons employed, 6.

Other stores, 11; value of stock, \$20,000; persons employed, 15.

Agricultural implement stores, 4; persons employed, 8.

Hotels, 4; about \$75,000 business annually; persons employed, 10.

Livery stables, 2; about \$40,000 business annually; persons employed, 6.

Blacksmith shops, 5; about \$15,000 business annually; persons employed, 12.

Other shops, 9; about \$20,000 business annually; persons employed, 17.

Population 1,200, comprising Americans, Scandinavians, Germans and Irish.

Streams—Rock river.

St. Louis County—Duluth, County Seat.

Organized townships, 7.

Total area (estimated) 4,400,640 acres.

Taxable Lands, 253,871 acres.

Cultivated lands, 431 acres,

Increase of cultivated land during the year, 183 acres.

Bushels wheat produced in 1877, 740.

Assessed valuation of real and personal property, \$1,267,484.

Farms in county, 57.

Bonded indebtedness of the county, \$93,139.54.

Railway lines, 1; miles, 25.

Number school districts, 8.

Number school houses, 11.

Number scholars enrolled, 644.

Births during 1877, 32.

Deaths during 1877, 8.

Flour and grist mills, 2; run of stone, 3; men employed, 10.

Saw mills, 4; men employed, 25.

Wheat elevators, 2; capacity bushels, 600,000; men employed, 15.

Newspapers published, 2; men employed, 6.

Language, English.

One tannery, 5 men employed.

One bindery, 2 men employed.

One Essential Oil Factory, 2 men employed.

Business, Wholesale and Retail, and Professions—Booksellers, Stationers, 2; Boots and Shoes, 2; Cigars and Tobacco, 2; Coal and Wood, 2; Commission Merchants, 3; Confectioners, 1; Clothing, 2; Drugs, 2; Dry Goods, 3; Flour and Feed, 3; Furniture, 3; Grain, 2; Groceries, 8; Hardware, Stoves and Tinware, 2; Lumber, Lath and Shingles, 2; Millinery, 2; Oils, 1; Oysters and Fish, 2—; Photograph, 1; Sewing Machines, 1; Watches and Jewelry, 2; Wines and Liquors, 2; not enumerated business, 45; Elevators, 2; General Stores, 6; Professions, 7; Banks, 3.

Trades and Manufactures—Blank Books, 1; Boots and Shoemakers, 1; Carriages and Wagons, 1; Clothing 2; Confectioners and Bakers, 3; Flour Mills, 2; Foundries, 1; Machinists, 1; Newspapers, 3; Printers, Book and Job, 2; Saw Mills, 4; Blacksmiths, 1.

Postoffices—Duluth, Fond du Lac and Oneota.

Townships Reported—Oneota and Herman.

Religious denominations, Methodists; membership, 10; value of structures, \$5,000.

Villages, Oneota, and Spirit Lake.

Population estimated at 90.

General Merchandise store, 1.

Population, 315, comprising Scandinavians, Germans, English, Americans and French.

Streams—Midway river and St. Louis bay.

Scott County—Shakopee, County Seat.

Organized townships, 14.

Land surface, 235,899.50 acres.

Taxable land, 213,773 acres.

Cultivated lands, 38,894 acres.

Decrease of cultivated land during the year, 3,686 acres.

Bushels wheat produced in 1877, 617,978.

Assessed valuation of real and personal property, \$3,199,525.

Farms in county, 870.

Railway lines, 4; miles, 90.

No. School Districts, 67; No. school houses, 67; No. scholars enrolled, 3,258.

Births during 1877, 411; deaths during 1877, 124.

Flour and grist mills, 1 (steam.)

Saw mills, 1 (steam.)

Business, Wholesale and Retail, and Professions—Agricultural Implements, 2; Boots and Shoes, 6; Cigars and Tobacco, 1; Confectioners, 2; Clothing, 2; Drugs, 7; Furniture, 5; Groceries, 11; Hardware, Stoves and Tinware, 6; Lime, Plaster and Cement, 2; Lumber, Lath and Shingles, 1; Millinery, 6; Photograph, 3; Watches and Jewelry, 4; not enumerated business, 110; General Stores, 34; Professions, 18; Banks, 2.

Trades and Manufactures—Boots and Shoemakers, 8; Breweries, 4; Bricks, 2; Brooms, 1; Carriages and Wagons, 7; Cigars, 4; Clothing, 7; Confectioners and Bakers, 2; Coopers, 1, Flour Mills, 10; Gunsmiths, 2; Harness, 7; Machinists, 1; Newspapers, 2; Pop and Ginger Ale Bottlers, 1; Saw Mills, 1; Blacksmiths, 13; Carpenters, 4.

Post Offices—Belle Plaine, Blakeley, Cedar Lake, Hamilton Station, Helena, Jordan, Lasheen, Liberty, Lydia, Maple Glen, Marystown, New Market, Plum Creek, Praha, Prior's Lake, Raven Stream, Saint Benedict, Saint Lawrence, Saint Patrick, Shakopee, Suel.

Townships Reported—Helena.

Religious Denominations—Catholics; value of structures \$1,600.

Villages—New Prague.

Drug stores, 1; value of stock, \$500.

Hardware stores, 1; value of stock, \$1,000.

Other stores, 2.

Hotels, 1.

Blacksmith shops, 1.

Population, 2,500; comprising Germans and Bohemians.

Lakes—Pleasant Lakes.

Streams—Raven and Sand Creek.

Sherburne County—Elk River County Seat.

Land surface, 281,765.30 acres.

Taxable lands, 177,136 acres.

Cultivated lands, 11,276 acres, (estimated.)

Increase of cultivated lands during the year, 3,228 acres.

Bushels wheat produced in 1877, 25,087.

Assessed valuation of real and personal property, \$715,902.

Farms in county, 381.

Railway lines 1; miles 40.

No. School districts, 34; No. School houses, 27; No. scholars enrolled, 873.

Births during 1877, 107; deaths during 1877, 33.

Saw mills, 1 (1 steam and water.); lumber manufactured, 250,000 ft.; men employed, 5.

Business, Wholesale and Retail, and Professions—Agricultural implements, 1; booksellers, stationers, 1; cigars and tobacco, 1; drugs, 2; hardware, stoves and tinware, 1; millinery, 2; wines and liquors, 1; not enumerated business, 15; general stores, 6; furniture, 2; professions, 6.

Trades and Manufactures—Boot and shoemakers, 2; carriages and wagons, 3; flour mills, 1; furniture, 1; newspapers, 2; planing mills, 1; saw mills, 3; blacksmiths, 2; carpenters, 3.

Post Offices—Becker, Big Lake, Briggs Lake, Clear Lake, Elk River, Haven, Lake Fremont, Livonia, Orlando, Orrock, Santiago.

Townships Reported—Blue Hills, Elk River, Livonia, Clear Water, Becker.

Religious Denominations—Congregationalists, Methodists, Episcopalians, Union Church, Baptists; membership, 119; value of structures, \$2,350.

Villages—Elk River. Population estimated at 850.

General merchandise stores, 4; value stock, \$11,500; persons employed, 7.

Drug stores, 2; value stock, \$2,000; persons employed, 2.

Hardware stores, 1; value of stock, \$1,500; persons employed, 1.

Other stores, 3; value of stock, \$3,000; persons employed 2.

Agricultural implement stores, 1; value of stock, \$1,000; persons employed, 1.

Hotels, 3; men employed, 4.

Livery stables, 1; men employed, 2.

Blacksmith shops, 2; men employed, 4.

Other shops, 6; men employed 9.

Population, 2,924; comprising Americans, French, Scotch, Irish, Scandinavians and English.

Streams—Mississippi, St. Francis, Tremont, Elk and Brook rivers.

Lakes—Rice, Twin, Rush, Irish, Elk, Camp, Clear.

Sibley County—Henderson, County Seat.

Organized townships, 17.

Land surface, 373,667.28 acres.

Taxable land, 303,034 acres.

Cultivated land, 55,148 acres.

Increase of cultivated land during the year 22,189 acres.

Bushels wheat produced in 1877, 205,262.

Assessed valuation of real and personal property, \$3,250,175.

Farms in county, 1,331.

Number school districts, 54; Number school houses, 50; Number scholars enrolled, 2517.

Births during 1877, 334.

Deaths during 1877, 88.

Villages, 3.

Flour and grist mills; 4; run of stone, 12; men employed, 25.

Saw mills, 3; lumber manufactured, 500,000 feet; men employed, 6.

Newspapers published, 1; men employed, 3; language, English; circulation, 300.

Business, Wholesale and Retail and Professions—Agricultural implements, 1; booksellers, stationers, 1; boots and shoes, 2; confectioners, 1; clothing, 1; drugs, 2; hardware, stoves and tinware, 1; millinery, 2; not enumerated business, 32; elevators, 1; general stores, 12; professions, 7; banks, 1.

Trades and Manufactures—Boot and shoemakers, 5; carriages and wagons, 7; flour mills, 2; foundries, 1; furniture, 1; harness, 3; machinists, 1; newspapers, 1; saw mills, 3; blacksmiths, 8; carpenters, 4.

Post Offices—Anna, Arlington, Cornish, Dryden, Eagle City, Faxon, Grafton, Green Isle, Henderson, Kelso, Mountville, New Auburn, New Rome, Rush River, Sibley, Transit.

Townships Reported—Alpsburg, Cornish, Severance, Transit, Sibley and Kelso.
Religious Denominations—Lutherans, Methodists; membership, 200; value of structures, \$1,200.

Villages—New Auburn, New Rome, Rush River.

General merchandise stores, 2; value stock, \$8,000; persons employed, 5.

Drug stores, 1; value stock, \$500; persons employed, 1.

Other stores, 1; persons employed, 1.

Hotels, 3.

Blacksmith shops, 4; business annually about \$3,100; persons employed, 5.

Other shops, 5; persons employed, 5.

Population, 2,302, comprising Germans, Americans.

Streams—Rush river.

Stearns County—St. Cloud, County Seat.

Organized townships, 37.

Land surface, 894,278.34 acres.

Taxable lands, 639,643 acres.

Cultivated lands, 89,769 acres.

Increase of cultivated land during the year, 11,526 acres.

Bushels wheat produced in 1877, 143,819.

Assessed valuation of real and personal property, \$4,548,566.

Farms in county, 2224.

Railway lines, 1; miles, 60.

No. school districts, 115; No. school houses, 97; No. scholars enrolled, 4,753.

Births during 1877, 699.

Deaths during 1877, 210.

Villages, &c., 14.

Flour and Grist Mills, 12; Run of stone, 56; Men employed, 60.

Saw Mills, 3; lumber manufactured, 5,000,000 feet; men employed, 35.

Wheat elevators, 4; Capacity, bushels, 60,000; Men employed, 5.

Newspapers published, 5; St. Cloud Times, Journal-Press, Sauk Centre Herald, Melrose Record, The Nordstern; men employed, 15; language: English, 4 and Norwegian, 1; circulation 5,000.

Business, Wholesale and Retail, and Professions—Agricultural implements, 5; booksellers, stationers, 3; boots and shoes, 6; clothing 3; drugs, 6; dry goods, 2; flour and feed, 2; furniture, 4; grain, 2; groceries, 8; hardware, stoves and tin-ware, 6; lumber, lath and shingles, 4; millinery, 5; photographers, 2; sewing machines, 1; watches and jewelry, 4; wines and liquors, 1; Not enumerated business, 105; elevators, 1; general stores, 36; professions, 28; banks, 4.

Trades and Manufactures—Agricultural implements, 2; boot and shoemakers, 7; breweries, 6; carriages and wagons, 13; cigars, 2; clothing, 4; confectioners and bakers, 3; coopers, 6; flour mills, 18; foundries, 4; furniture, 1; gunsmiths, 2; harness, 8; machinists, 4; marble, 1; newspapers, 5; planing mills, 3; pop and ginger ale bottlers, 1; saw mills, 5; tin and sheet iron, 2; not enumerated, 10; blacksmiths, 22; carpenters, 10.

Postoffices—Albany, Avon, Rockway, Cold Spring City, Crow Lake, Eden Lake, Fair Haven, Getty, Holding's Ford, Leedston, Luxemburgh, Maine Prairie, Meire's Grove, Melrose, New Munich, North Fork, Oak Station, Paynesville, Raymond, Rockville, Saint Augusta, Saint Cloud, Saint Joseph, Saint Wendall, Sauk Centre, Spring Hill, Torah, Zions.

Townships Reported—Crow Lake, Saint Augusta, Albany, Rockville, Oak, Spring Hill, Krain, Rockway, Luxemburgh, Melrose, LeSauks, Avon, Wendall, Millwood, and Saint Cloud.

Religious denominations—Catholics and Methodists; membership, 2,667; value of structures, \$19,300.

General merchandise stores, 15; value of stock, \$31,750; persons employed, 30.

Drug stores, 8; value of stock, \$800; persons employed, 1.

Other stores, 3; value of stock, \$200; men employed, 3.

Hotels, 5; men employed, 7.

Blacksmith shops, 5; business annually, about \$9,000; persons employed, 7.

Other shops, 5; persons employed, 26.

Population, 6,174, comprising Scandinavians, Germans, Irish, Americans and English.

Lakes—Crow, Skunk, Fish, Watab, Kings, and Birch Bark.

Streams—Watab and Sauk rivers and Long creek.

Steele County—Owatonna, County Seat.

Organized townships, 15.

Land surface, 273,068.42 acres.

Taxable land, 263,123 acres.

Cultivated land, 82,893 acres.

Increase of cultivated land during the year, 5,385 acres.

Bushels wheat produced in 1877, 1,344,738.

Assessed valuation of real and personal property, \$4,495,244.

Farms in county, 528.

Railway lines, 2; miles, 48.

No. school districts, 75; No. school houses, 73; No. scholars enrolled, 3,084.

Births during 1877, 355; deaths during 1877, 103.

Business, Wholesale and Retail, and Professions—Agricultural implements, 8; booksellers, stationers, 1; boots and shoes, 3; cigars and tobacco, 1; coal and wood, 2; confectioners, 2; clothing, 5; drugs, 6; dry goods, 4; furniture, 4; grain, 2; groceries, 16; gloves, 3; hardware, stoves and tinware, 5; lumber, lath and shingles, 5; millinery, 11; photographers, 2; pianos and organs, 2; sewing machines, 1; watches and jewelry, 4; wagons, 1; not enumerated business, 67; elevators, 2; general stores, 22; professions, 20; banks, 3.

Trades and Manufactures—Agricultural implements, 1; boot and shoemakers, 8; breweries, 1; carriages and wagons, 8; cigars, 1; clothing, 4; confectioners and bakers, 3; coopers, 3; flour mills, 6; foundries, 3; gunsmiths, 1; harness, 8; machinists, 4; marble, 2; newspapers, 2; printers, book and job, 3; sash, doors and blinds, 1; not enumerated, 7; blacksmiths, 14; carpenters, 2.

Post Offices—Aurora, Berlin, Blooming Prairie, Clinton, Cooleysville, Deerfield, Dodge City, East Meriden, Havana, Lemond, Medford, Meriden, Merton, Owatonna, River Point, Steele Centre.

Townships Reported—Berlin, Medford, Clinton Falls, Deerfield, Blooming Prairie.

Religious Denominations—Methodists, Lutherans, Congregationalists, Baptists, Catholics and Episcopalians. Membership, 792. Value of Structures, \$12,200.

Villages—Berlin, Medford, Blooming Prairie and Clinton Falls. Population estimated at 1,775.

General merchandise stores, 7; value stock, \$21,500; persons employed, 15.
 Drug stores, 3; value of stock, \$4,000; persons employed, 5.
 Hardware stores, 3; value stock, \$4,800; persons employed, 5.
 Clothing and other stores, 6; value stock, 6,800; persons employed, 7.
 Agricultural Implement stores, 5; value stock, \$2,500; persons employed, 7.
 Hotels, 3; about \$9,900 business annually; persons employed, 5.
 Livery stables, 2; \$2,500 business annually; persons employed, 2.
 Blacksmith shops, 6; about \$6,800 business annually; persons employed, 11.
 Other shops, 8; about \$14,800 business annually; persons employed, 15.
 Population, 3,725; comprising Americans, Scandinavians, Irish, Germans and Bohemians.

Lakes—Beaver, Lonargan, and Pelican.

Streams—Straight river.

Stevens County—Morris, County Seat.

Organized townships, 11.
 Land surface, 194,958.19 acres.
 Taxable lands, 107,898 acres.
 Cultivated lands, 20,038 acres.
 Increase of cultivated land during the year, 9,153 acres.
 Bushels of wheat produced in 1877, 57,260.
 Assessed valuation of real estate and personal property, \$664,420.
 Farms in county, 299.
 Railway line, 1; miles 31.
 No. school districts, 11; No. school houses, 6; No. scholars enrolled, 254.
 Births during 1877, 48.
 Deaths during 1877, 16.
 Villages, &c., 2.
 Flour and grist mills, 2; run of stones, 6; men employed 10 (estimated.)
 Saw mills, 1.
 Wheat elevators, 2, capacity bu. 160,000; men employed, 8 (estimated.)
 Newspapers pub., 1; men employed, 3; language, English, circulation, 300.
 Business, Wholesale and Retail, and professions—Agricultural implements, 2; drugs, 2; flour and feed, 1; furniture, 1; grain, 1; harness, 3; lumber, lath and shingles, 2; millinery, 1; watches and jewelry, 2; not enumerated business, 28; elevators, 2; general stores 7; professions, 4.
 Trades and Manufactures—boots and shoes, 2; carriages and wagons, 2; flour mills, 1; gunsmiths, 1; newspapers, 1; blacksmiths, 4; carpenters, 2.
 Post Offices—Chokaga, Donnelly, Hancock, Morris, Nash, Saint Nicholas
Townships Reported—Village of Morris, Framness, Moore and Donnelly.
 Religious Denominations—Catholics, Congregationalists, Methodists and Lutherans; membership, 157; value of structures, \$1,500.
 Villages—Morris, Hancock and Donnelly. Population estimated at 690.
 General merchandise stores, 8; value stock, \$43,000; persons employed, 27.
 Drug stores, 2; value stock, \$3,000; persons employed, 3.
 Hardware stores, 5; value stock, \$15,000; persons employed, 12.
 Other stores, 4; value stock, \$6,000; persons employed, 10.
 Agricultural implement stores, 5; value stock, \$30,000; persons employed, 14.
 Hotels, 8; about \$18,000 business annually; persons employed, 19.
 Livery stables, 1; about \$2,400 business annually; persons employed, 3.

Blacksmith shops, 6; about \$11,500 business annually; persons employed, 12.
 Other shops 4; about \$8,000 business annually; persons employed, 10.
 Population, 1,275, comprising Americans, Germans and Scandinavians.
 Lakes—Moose Island.
 Streams—Pomme de Terre and Chippewa.

Swift County—Benson, County Seat.

Organized townships, 18.
 Arable land, 383,840 acres.
 Land surface, 476,593.24 acres.
 Taxable land, 98,742 acres.
 Cultivated land, 28,238 acres.
 Increase of cultivated land during the year, 7,058 acres.
 Bushels wheat produced in 1877, 95,244.
 Assessed valuation of real and personal property, \$872,102.
 Farms in county, 812.
 Bonded indebtedness of the county \$5,500.
 Railway lines, 1; miles, 30.
 Number school districts, 22; number school houses, 15; number scholars enrolled, 769.
 Births during 1877, 189.
 Deaths during 1877, 51.
 Villages, 6.
 Flour and Grist Mills, 3; run of stone, 6; men employed, 6.
 Wheat Elevators, 6; capacity bushels, 350,000; men employed, 15.
 Newspapers published, 2, Advocate and Benson Times; men employed, 4; language, English; circulation, 930.
 Business, Wholesale and Retail, and Professions—Agricultural implements, 5; booksellers, stationers, 1; drugs, 4; flour and feed, 4; furniture 1; grain, 2; groceries, 2; hardware, stoves and tinware, 2; lumber, lath and shingles, 6; millinery, 3; photographs, 1; sewing machines, 1; watches and jewelry, 2; not enumerated business, 33; elevators, 2; general stores, 11; professions, 7; banks, 1.
 Trades and Manufactures—Boot and shoemakers, 2; carriages and wagons, 3; clothing, 1; flour mills, 1; harness, 2; newspapers, 2; blacksmiths, 9; carpenters, 4.
 Post Offices—Appleton, Benson, Clontarf, De Graff, Fairfield, Kerkhoven, Swenoda, Swift Falls.
Townships Reported—Pillsbury, Clontarf, Fairfield, Edison, Kerkhoven, Six Mile Grove, Hegbert, Camp Lake, Swenoda, and Appleton.
 Religious Denominations—Lutherans, Catholics, Methodists, Episcopalians, and United Brethren; membership, 695; value of structures, \$2,600.
 Private Educational Institutions, St. Malachi School; teachers employed, 2; scholars attending, 41; value of structures, \$900.
 Villages—Appleton, Clowtarf, Kerkhoven; population estimated at 629.
 General merchandise stores, 9; value stock, \$33,000; persons employed, 21.
 Drug stores, 3; value stock, \$2,500; persons employed, 5.
 Hardware stores 2; value stock, \$3,300; persons employed, 3.
 Clothing and other stores, 4; persons employed, 4.
 Hotels, 4; men employed, 6.
 Livery stables, 2; men employed 3.

Blacksmith shops, 6; annual business, \$10,000; men employed, 11.

Other shops, 6; annual business, \$4,600; men employed, 5.

Population, 2,936, comprising Americans, Scandinavians, Irish, Germans, Poles, and French.

Streams—Chippewa, Pomme de Terre, and Minnesota rivers.

Lakes—St. Malachi, Barbary, Oliver, Griffin, and Camp.

Todd County—Long Prairie, County Seat.

Organized townships, 16.

Land surface, 576,980.91 acres.

Taxable land, 284,314 acres.

Cultivated land, 14,226 acres.

Increase of cultivated land during the year, 2,802 acres.

Bushels wheat produced in 1877, 64,258.

Assessed valuation of real and personal property, \$787,176.

Farms in county, 664.

Railway lines, 2; miles, 24.

No. school districts, 51; No. school houses, 45; No. scholars enrolled, 1,205.

Births during 1877, 182; deaths during 1877, 45.

Villages, 3.

Flour and grist mills, 3; run of stone, 8; men employed, 8.

Saw mills, 4; lumber manufactured, 250,000 feet; men employed, 7.

Newspapers published, one, Argus; men employed, 2; language, English; circulation, 300.

Business, Wholesale and Retail, and Professions—Drugs, 2; furniture, 1; groceries, 2; hardware, stoves and tinware, 1; photographs, 1; not enumerated business, 5; general stores, 8; professions, 3.

Trades and Manufactures—Carriages and wagons, 3; flour mills, 3; furniture, 1; newspapers, 1; saw mills, 4; not enumerated, 1; blacksmiths, 3.

Post Offices—Bear Head, Cates Station, Daylight, Grey Eagle, Hartford, Little Sauk, Long Prairie, Pillsbury, Round Prairie, West Union.

Townships Reported—Hartford, Little Sauk, Ward, Leslie and Kandota.

Religious denominations—Lutherans, United Brethren, Methodists and Baptists; membership, 252; value of structures, \$350.

General merchandise stores, 4; value stock, \$4,800; persons employed, 4.

Blacksmith shops, 4; about \$3,400 business annually; men employed, 4.

One Amber Cane Syrup Factory.

Population, 1873, comprising Scandinavians, Germans, Poles and Americans.

Lakes—Maple, Horseshoe, Rice, Osakis, Hardwood, and Fairy.

Streams—Long Prairie, Savk and Eagle river.

Traverse County—Unorganized.

Land surface, 369,963.11 acres.

Taxable lands, 380,527 acres.

Assessed valuation of real and personal property, \$20,236.

Railway lines, 1; miles, 8.

Business, Wholesale and Retail, and Professions—Not enumerated business, 1;

General Stores, 4; Professions, 2.

Trades and Manufactures—Blacksmiths, 1.

Post Offices—Brown's Valley, Lake View, Pleasant Hill.

Wabasha County—Wabasha County Seat,

Organized townships, 20.

Land surface, 344,705.41 acres.

Taxable land, 336,185 acres.

Cultivated land, 142,136 acres.

Increase of cultivated land during the year, 5,143 acres.

Bushels wheat produced in 1877, 1,632,163.

Assessed valuation of real and personal property, \$6,705,251.

Farms in county, 1,150.

Railway lines, 2; miles, 80.

No. school districts, 103; No. school houses, 100; No. scholars enrolled, 5,208.

Births during 1877, 511.

Deaths during 1877, 181.

Villages, &c., 10.

Flour and Grist Mills, 7; run of stone, 26; men employed, 45.

Wheat Elevators, 20; capacity—bushels, 600,000; men employed, 80.

Newspapers published, 6—Lake City Sentinel, Lake City Leader, Wabasha Herald, Wabasha Bulletin, Mazeppa Tribune, and Plainview News.

Business, Wholesale and Retail, and Professions—Agricultural implements, 7; booksellers, stationers, 2; boots and shoes, 9; commission merchants, 3; confectioners, 7; clothing, 5; drugs, 11; dry goods, 9; flour and feed, 2; furniture, 7; grain, 9; groceries, 19; hardware, stoves and tinware, 11; hides, pelts, &c., 1; lime, plaster and cement, 1; lumber, lath and shingles, 7; millinery, 14; photographic stock, 3; pianos and organs, 1; seeds, 1; sewing machines, 1; toys and fancy goods, 1; watches and jewelry, 5; wines and liquors, 1; not enumerated business, 141; elevators, 1; general stores, 42; professions, 31; banks, 7.

Trades and Manufactures—Boot and shoemakers, 6; breweries, 1; carriages and wagons, 9; cigars, 2; clothing, 6; confectioners and bakers, 3; flour mills, 11; foundries, 2; furniture, 1; harness, 10; machinists, 2; marble, 2; newspapers, 4; planing mills, 4; printers, book and job, 3; saw mills, 2; trunks and valises, 1; not enumerated, 4; blacksmiths, 17; carpenters, 2.

Post Offices—Bear Valley, Bremen, Cook's Valley, Elgin, Glasgow, Hyde Park, Kellogg, Lake City, Lincoln, Lyon, Mazeppa, Millville, Minneiska, Oak Centre, Plainview, Read's Landing, Smithfield, South Troy, Wabasha, Weaver, West Albany, Zumbro Falls.

Townships Reported—Highland, Minneiska, Mazeppa, Village of Reads, Elgin, Gifford and Hyde Park.

Religious Denominations—Catholic, Lutheran, Methodist and Congregational, Membership 384. Value of structures, 12,500.

Villages—Lyon, Minneiska, Weaver, Mazeppa, Read's Landing, Elgin and Zumbro Falls. Population estimated at 1,970.

General merchandise stores, 17; value stock, \$70,000; persons employed, 37.

Drug stores, 6; value stock, \$4,000; persons employed, 8.

Hardware stores, 6; value stock, 8,800; persons employed, 8.

Other stores, 10; value stock, \$8,800; persons employed, 12.

Agricultural implement stores, 6; value stock, \$3,000; persons employed, 6.

Hotels, 12; about \$54,000 business annually: persons employed, 21.

Livery Stables, 6; annual business about \$24,000; persons employed, 7;
Blacksmith shops, 14; annual business about \$7,800; persons employed, 19,
Other shops, 12; annual business about \$39,200; persons employed, 32.
Population, 7,300, comprising Americans, Irish, Germans, Swedes, Scandinavians.

Streams—Mississippi, Zumbro, and Whitewater rivers.

Wadena County—Wadena, County Seat.

Organized townships, 3.
Land surface, 339,585.31 acres.
Taxable land, 40,426 acres.
Cultivated land, 1,797 acres.
Increase of cultivated land during the year, 1,239 acres.
Bushels wheat produced in 1877, 6,782.
Assessed valuation of real and personal property, \$134,194.
Farms in county, 65.
Railway lines, 1; miles, 14.
No. school districts, 5; No. school houses, 4; No. scholars enrolled, 117.
Business, Wholesale and Retail, and Professions—Agricultural implements, 1;
hardware, stoves and tinware, 1; lumber, lath and shingles, 3; not enumerated,
9; general stores, 7; professions, 2.
Trades and Manufactures—Harness, 1; blacksmiths, 3; carpenters, 2.
Port Offices—Aldrich, Verndale, Wadena.
Townships Reported—Aldrich, Verondale.
Villages—Aldrich, Verondale; population estimated at 120.
General merchandise stores, 3; value stock, \$4,000; persons employed, 3.
Hotels, 2.
Blacksmith shops, 1; annual business about \$600; men employed, 2.
Population, 725; comprising Americans, Scandinavians and Germans,
Streams—Leaf river and Union creek.

Waseca County, Waseca, County Seat.

Organized townships, 12.
Land surface, 268,758.75 acres.
Taxable land, 262,325 acres.
Cultivated land, 68,584 acres.
Increase of cultivated land during the year, 5,725 acres.
Bushels wheat produced in 1877, 913,044.
Assessed valuation of real and personal property, \$3,607,374.
Farms in county, 1,012.
Bonded indebtedness of the county, \$56,000.
Railway lines, 1; miles, 20.
No. school districts, 88; No. school houses, 82; No. scholars enrolled, 3,347.
Births during 1877, 268.
Deaths during 1877, 69.
Villages, 5.
Flour and grist mills, 6; run of stone, 27; men employed, 24.
Saw mills, 2; lumber manufactured, 100,000 feet; men employed, 4.
Wheat elevators, 4; capacity, bushels, 155,000; men employed, 8.

Newspapers published, 4; Waseca Radical, Waseca Leader, Janesville Argus, Waseca Herald. Circulation, 1,800

Business, Wholesale and Retail, and Professions—Agricultural implements, 8; booksellers, stationers, 1; boots and shoes, 2; confectioners, 3; clothing, 2; drugs, 10; dry goods, 4; flour and feed, 1; furniture, 4; grain, 2; groceries, 9; hardware, stoves, and tinware, 5; lumber, lath and shingles, 5; millinery, 4; photographers, 2; watches and jewelry, 3; not enumerated business, 57; elevators, 2; general stores, 20; professions, 25; banks, 2.

Trades and Manufactures—Boot and shoemakers, 7; breweries, 1; carriages and wagons, 6; cigars, 1; confectioners and bakers, 1; coopers, 2; flour mills, 8; gunsmiths, 1; harness, 10; newspapers, 3; planing mills, 2; printers, book and job, 1; saw mills, 2; not enumerated, 4; blacksmiths, 11; carpenters, 4.

Post Offices—Alma City, Blooming Grove, Janesville, New Richland, Okaman, Otisco, Smith's Mill, Vivian, Waseca, Wilton.

Townships Reported—Janesville, Otisco.

Religious Denominations—Catholics, Episcopatians, Baptists, Methodists, Lutherans; membership, 615; value of structures, \$21,200.

Villages—Janesville and O'Kernan; population estimated at 1,400.

General merchandise stores, 6; value stock, \$10,000; persons employed 20.

Drug stores, 2; value stock, \$15,000; persons employed, 4.

Hardware stores, 3; value stock, \$20,000; persons employed, 9.

Other stores, 4; value stock, \$8,000; persons employed, 8.

Agricultural implement stores, 2; value stock, \$2,000; persons employed, 4.

Hotels, 3; men employed, 12.

Livery stables, 2; men employed, 6.

Blacksmith shops, 5; men employed, 12.

Other shops, 3; men employed, 8.

Population, 2,850; comprising Americans, mostly.

Lakes—Elysian and Canfield.

Streams—Elysian Outlet, Le Sueur Creek.

Washington County—Stillwater, County Seat.

Organized townships, 14.

Arable land, 242,889 acres.

Land surface, 262,641.70 acres.

Taxable land, 243,889 acres.

Cultivated land, 71,806 acres.

Increase of cultivated land during the year, 6,634 acres.

Bushels wheat produced in 1877, 720,234.

Assessed valuation of real and personal property, \$6,097,843.

Farms in county, 882.

Bonded indebtedness of the county, \$18,750.

Railway lines, 2; miles, 50.

No. school districts, 60; No. school houses, 61; No. scholars enrolled, 3,400.

Births during 1877, 529.

Deaths during 1877, 151.

1 City, 9 Villages.

Flour and grist mills, 9; run of stone, 36; men employed, 46.

Saw mills, 13; lumber manufactured, 56,820,000 feet; men employed, 550.

Wheat Elevators, 1; capacity bushels, 100,000; men employed, 10.

Newspapers published, 4, The Lumberman, Gazette, and Messenger, and the St. Croix Post; men employed, 16; language, 3 English and one German; circulation, 3,500.

Business, Wholesale and Retail and Professions—Agricultural implements, 5; booksellers, stationers, 2; boots and shoes, 5; cigars and Tobacco, 1—2; commission merchants, 1; confectioners, 8; clothing, 3; drugs, 4; dry goods, 4; fruits, foreign and domestic, 1; furniture, 4; grain, 7; groceries, hardware, stoves and tinware, 5; lumber, lath and shingles, 13; millinery, 3; photographic stock, 2; sewing machines, 1; watches and jewelry, 2; wines and liquors, 2; not enumerated, 79; general stores, 22; professions, 17; banks, 3.

Trades and Manufactures—Agricultural implements, 1; blank books, 1; boot and shoemakers, 8; breweries, 3; carriages and wagons, 4; cigars, 2; clothing, 2; confectioner and bakers, 2; coopers, 1; flour mills, 11; foundries, 2; furniture, 2; gunsmiths, 1; harness, 5; machinists, 2; marble, 1; newspapers, 4; planing mills, 6; printers, book and job, 4; sash, doors and blinds, 4; saw mills, 8; soap and candles, 1; vinegar, 1; not enumerated, 7; blacksmiths, 17; carpenters, 2.

Post Offices—Afton, Cottage Grove, Forest Lake, Lakeland, Langdon, Lonmansville, Marine Mills, Newport, Oakdale, Point Douglas, Scandia, South Stillwater, Stillwater, Valley Creek, Woodbury.

Townships Reported—Woodbury, Forest Lake, Stillwater, Newport, Oakdale, and Denmark.

Religious Denominations—Methodists, Lutherans, Baptists, and Catholics; membership, 541; value of structures, \$13,600.

Private Educational Institutions—St. John's School; teachers employed, 1; scholars attending, 50; value of structures, \$800.

Villages—Newport.

General merchandise stores, 3; value stock, \$3,100; persons employed, 4.

Other stores, 1; persons employed, 1.

Hotels, 2; about \$9,000 business annually; persons employed, 11.

Blacksmith shops, 6; about \$4,100 business annually; persons employed, 8.

Other shops, 3; about \$2,400 business annually; persons employed, 4.

Population, 4,070, comprising Germans, Scandinavians, Irish, Americans, French, and English.

Lakes—Mud, Fish, Brookman's, Forest, Clear, Cornelian, Lewis, Long, Twin, Loon, Elmo, and Jane.

Streams—Mississippi river.

Watonwan County—Madelia, County Seat.

Organized townships, 12.

Arable land, 277,054.12 acres.

Taxable land, 122,422 acres.

Cultivated land, 26,858 acres.

Increase of cultivated land during the year, 13,009 acres.

Bushels wheat produced in 1877, 50,188.

Assessed valuation of real and personal property, \$938,782.

Farms in County, 584.

Railway lines, 1; miles, 26.

No. school districts, 39; No. school houses, 26; No. scholars enrolled, 1,173.

Births during 1877, 159.

Deaths during 1877, 32.

Villages, &c., 2.

Flour and Grist Mills, 1; run of stone, 2; men employed, 4.

Wheat Elevators, 1; capacity—bushels, 10,000; men employed, 1.

Newspapers published, 2; Madelia Times, and St. James Journal; men employed, 4; language, English; circulation, 1,000.

Business, Wholesale and Retail, and Professions—Agricultural implements, 2; boots and shoes, 1 drugs, 3; flour and feed, 2; furniture, 1; hardware, stoves and tinware, 4; lumber, lath and shingles, 1; sewing machines, 1; not enumerated business, 13; general stores, 8; professions, 7.

Trades and Manufactures—carriages and wagons, 2; flour mills, 2; harness, 3; blacksmiths, 4.

Post Offices—Antrim, Hope, Madelia, St. James and South Branch.

Townships Reported—St. James, Rosendale, Long Lake and Adrian.

Religious denominations: Baptists, Catholics, Lutherans, Methodists and Presbyterians; membership, 458; value of structures, \$4,200.

Villages, St. James.

Population estimated at 550.

General merchandise stores, 5; value of stock, \$13,500; persons employed, 9.

Drug stores, 1; value stock, \$5,600; persons employed, 2.

Hardware stores, 2; value of stock, \$4,500; persons employed, 4.

Hotels, 3; persons employed, 6.

Livery stables, 1; persons employed, 1.

Blacksmith shops, 6; business annually about \$10,000; persons employed, 12.

Other shops, 6; business annually about \$6,500; persons employed, 9.

Population, 1,958; comprising Scandinavians, Germans, Americans, Russians, French and English.

Lakes—Mink, Rutherford, Goose, Mud, Long, Mary and Kenric.

Streams—Watowwan river.

Wilkin County, Breckenridge, County Seat.

Organized townships, 3.

Arable land, 476,320.45 acres.

Taxable land 88,401 acres.

Cultivated land, 3,050 acres.

Increase of cultivated land during the year, 817 acres.

Bushels wheat produced in 1877, 19,826.

Assessed valuation of real and personal property, \$344,837.

Farms in county, 94.

Railway lines, 2; miles, 60.

No. school districts, 6; No. school houses, 5; No. scholars enrolled, 137.

Villages, 5.

Wheat elevators, 4; capacity bushels, 400,000; men employed, 10.

Newspapers, published, 1; Wilkins county Gazette; men employed, 2; language, English; circulation, 300.

Business, Wholesale and Retail, and Professions—Drugs, 1; lumber, lath and shingles, 1; not enumerated business, 19; general stores, 6; professions, 4.

Trades and Manufactures—Boot and shoemakers, 2; blacksmiths, 3.

Post Offices—Breckenridge, Campbell, Manston, McCauleyville, Miller's Station.

Townships Reported—Manston.

General merchandise stores, 2; value stock, \$4,000; persons employed, 5.
 Agricultural Implement stores, 2.
 Hotels, 2.
 Population, 100; comprising Scandinavians and Americans.
 Streams—South Buffalo creek.

Winona County—Winona, County Seat.

Organized townships, 20.
 Land surface, 406,320.48 acres.
 Taxable land, 391,894 acres.
 Cultivated land, 146,010 acres.
 Increase of cultivated land during the year, 12,366 acres.
 Bushels wheat produced in 1877, 1,519,509.
 Assessed valuation of real and personal property, \$10,099,635.
 Farms in county, 1,933.
 Railway lines, 2; miles, 74.
 No. school districts, 113; No. school houses, 109; No. scholars enrolled, 6,559.
 Births during 1877, 820.
 Deaths during 1877, 307.
 Villages, 3; cities, 2.
 Flour and grist mills, 17; run of stone, 72; men employed, 120.
 Saw mills, 5; lumber manufactured, 25,000,000 feet; men employed, 125.
 Wheat elevators, 14; capacity, bushels, 529,000.

Newspapers published, 7; St. Charles Times, St. Charles Union, Winona Herald, Winona Weekly Republican, Daily Republican, Novelty Press, Winona Adler; men employed, 20; language, 6 English, 1 Swede; circulation, 8,800.

Business, Wholesale and Retail, and Professions—Agricultural implements, 19; booksellers, stationers, 4; boots and shoes, 19; carpets, 1; cigars and tobacco, 1—3; coal and wood, 2; commission merchants, 4; confectioners, 7; crackers, 1; crockery and glassware, 2; clothing, 6; drugs, 14; dry goods, 9; flour and feed, 4; fruits, foreign and domestic, 1—3; furniture, 6; grain, 19; groceries, 1—36; hardware, stoves and tinware, 1—12; hats, caps and furs, 2; hides, pelts, &c., 2; leather and shoe findings, 1; lime, plaster and cement, 2; lumber, lath and shingles, 9; millinery, 7; oils, 2; photographic stock, 4; pianos and organs, 4; sewing machines, 5; toys and fancy goods, 3; watches and jewelry, 6; wines and liquors, 5; not enumerated business, 263; elevators, 1; general stores, 40; professions, 56; banks, 8;

Trades and Manufactures—Blank books, 2; boot and shoemakers, 12; breweries, 1; bricks, 1; carriages and wagons, 19; cigars, 6; clothing, 15; confectioners and bakers, 3; coopers, 3; flour mills, 12; foundries, 2; furniture, 1; gunsmiths, 3; harness, 15; machinists, 2; marble, 2; newspapers, 7; planing mills, 2; pop and ginger ale bottlers, 1; pork packers, 1; printers, book and job, 7; sash, doors and blinds, 3; saw mills, 7; shirts, 1; tin and sheet iron, 2; not enumerated, 10; blacksmiths, 37; carpenters, 12.

Post Offices—Argo, Beaver, Clyde, Dakota, Dresbach, Elba, Enterprise, Frank Hill, Tremont, Hart, Homer, Lamoille, Lewiston, Minnesota City, New Hartford, Oak Ridge, Pickwick, Richmond, Ridgeway, Rollingstone, St. Charles Saratoga, Stockton, Troy, Utica, White Water Falls, Wilson, Winona, Wiscoy, Witoka, Worth, Wyatville.

Townships Reported—Rollingstone, Whitewater, Hart, Norton, Mount Vernon, Winona and Wiscoy.

Religious Denominations—Baptists, United Brethren, Methodists, Lutherans, Evangelists and Catholics. Membership, 594 (reported); value of structures, \$21,000.

Private Educational Institutions—Catholic and German Schools; teachers employed, 2; value of structures, \$500.

Villages—Minnesota City, Rollingstone, Beaver, Whitewater, Oak Ridge and Glen Mary.

Population estimated at 1,020.

General merchandise stores, 7; value stock, \$22,000; persons employed, 12.

Other stores, 4; value stock, \$2,350; men employed, 6.

Hotels, 1; about \$5,000 business annually; persons employed, 3.

Blacksmith shops, 9; about \$8,700 business annually; persons employed, 13.

Other shops, 3; about \$1,800 business annually; men employed, 5.

Population, 5,990; comprising Germans, Americans, Scandinavians, Bohemians, English and Irish.

Lakes—Winona.

Streams—Rollingstone, Whitewater, Trout, Gilmore, Burns and Money creeks.

Wright County—Buffalo, County Seat.

Organized townships, 20.

Land surface, 414,595.75 acres.

Taxable land, 371,173 acres.

Cultivated land, 45,436 acres.

Increase of cultivated land during the year, 8,939 acres.

Bushels wheat produced in 1877, 299,926 acres.

Assessed valuation of real and personal property, \$3,367,180.

Farms in county, 1,999.

Bonded indebtedness of the county, \$25,000.

Railway lines, 1; miles, 25.

No. school districts, 103; No. school houses, 101; No. scholars enrolled, 4,322.

Births during 1877, 427.

Deaths during 1877, 133.

Villages, &c., 14.

Flour and Grist Mills, 12; run of stone, 38; men employed, 31.

Saw Mills, 17; lumber manufactured, 5,000,000 feet; men employed, 60.

Wheat elevators, 6; capacity, 180,000 bushels; men employed, 7.

Newspapers published, 3; Times, Eagle and People's Advocate; men employed, 6; language, English; circulation, 2,000.

Business, Wholesale and Retail, and Professions—Agricultural Implements, 3; Booksellers, Stationers, 1; Boots and Shoes, 1; Confectioners, 3; Drugs, 8; Dry Goods, 1; Flour and Feed, 1; Furniture, 2; Groceries, 3; Hardware, Stoves and Tinware, 7; Lime, Plaster and Cement, 1; Lumber, Lath and Shingles, 1; Millinery, 2; Photographic Stock, 3; Sewing Machines, 2; Toys and Fancy Goods, 1; Trunks and Valises, 1; Watches and Jewelry, 3; Not enumerated business, 50; General Stores, 40; Professions, 24.

Trades and Manufactures—Boots and Shoes, 9; Bricks, 1; Carriages and Wagons, 13; Clothing, 1; Flour Mills, 11; Harness, 6; Newspapers, 3; Sash, Doors and Blinds, 1; Saw Mills, 11; not enumerated, 6; Black Smiths, 18; Carpenters, 3.

Postoffices—Albion, Buffalo, Chatham, Clear Water, Cochrane's Mills, Cokato, Covinna, Delano, French Lake, Hanover. Howard, Keystone, Maple Lake, Middleville, Monticello, Montrose, Otsego, Rockford, St. Michaels, Silver Creek, Smith Lake, Victor, Waverly Mills.

Townships Reported—Clearwater, Frankford, Victor, Cokato, Buffalo and Maple Lake.

Religious denominations—Congregationalists, Methodists, Catholics, Diciples, Friends, Episcopalians, Baptists, Presbyterians, and Lutherans; membership 1,194; value of structures, \$12,100.

Private educational institutions, Howard High School, Clearwater Independent district; teachers employed, 6; scholars attending, 325; value of structures, \$5,500.

Villages—Clearwater, Howard Lake, Buffalo, Cokato.

Population estimated at 1,350.

General merchandise stores, 20; value of stock, \$63,500; persons employed, 44.

Drug stores, 6; value of stock, \$3,700; persons employed, 6.

Hardware stores, 3; value of stock, \$5,000; persons employed, 5.

Clothing and other stores, 7; value of stock, \$5,600; persons employed, 7.

Agricultural implement stores, 1; persons employed, 1.

Hotels, 11; men employed, 17.

Livery stables, 1; men employed, 1.

Blacksmith shops, 12; men employed, 19.

Other shops, 8; men employed, 10.

Population, 5,150, comprising Germans, English, Finns. Americans, French and Irish.

Lakes—Howard, Cakota, Buffalo, Pulaski, Pelican, Mary, Maple, Ramsey, Clearwater, Sugar, Bass, Beebe, and Steele.

Streams—Mississippi, Clearwater and Crow.

Yellow Medicine County—Granite Falls, County Seat.

Organized townships, 14.

Arable land, 461,566 73 acres.

Taxable land, 131,306 acres.

Cultivated land, 20,912 acres.

Increase of cultivated land during the year, 3,917 acres.

Bushels wheat produced in 1877, 108,959.

Assessed valuation of real and personal property, \$865,619.

Farms in county, 586.

Bonded indebtedness of the county, \$1,600.

Railway lines, 1; miles, 20.

No. of school districts, 29; No. school houses, 13; No. scholars enrolled, 686.

Births during 1877, 131.

Deaths during 1877, 26.

Villages, 2.

Flour and grist mills 3; run of stone, 10; men employed, 8.

Saw Mills, 1; men employed, 1.

Newspapers published, 1; men employed, 2; language, English; circulation, 300.

Business, Wholesale and Retail, and Professions—Agricultural Implements, 5; Confectioners, 1; Drugs, 4; Furniture, 2; Groceries, 1; Hardware and Stoves, 5;

Lumber, Lath and Shingles, 4; Mill Machinery and Railroad Supplies, 1; Millinery, 2; Watches and Jewelry, 1; not enumerated business, 15; General Stores, 10; Professions, 3.

Trades and Manufactures—Boots and Shoes, makers, 5; Breweries, 1; Carriages and Wagons, 1; Confectioners and Bakers, 1; Flour Mills, 3; Harness, 2; Saw Mills, 1; Tin and Sheet Iron, 1; Black Smiths, 6; Carpenters, 1.

Post Offices—Canby, Granite Falls, Lisbon, Minnesota Falls, Silliards, Stavan-ger, Stony Run, Vineland, Yellow Medicine.

Townships Reported—Novenania, Otis, Echo, Wood Lake, Saunes, Swede Prairie and Montevideo.

Religious Denominations—Lutherans, Congregationalists, Baptists and Methodists. Membership, 1,270; value of structures, \$4,600.

General merchandise stores, 7; value stock, \$5,500; persons employed, 24. Drug stores, 4; value stock, \$4,000; persons employed, 8.

Hardware stores, 3; value stock, \$8,000; persons employed, 6.

Clothing and other stores, 5 value stock, \$6,200; persons employed, 5.

Agricultural implement stores, 1; value stock, \$1,200; persons employed, 2.

Hotels, 3; men employed, 6.

Livery stables, 3; men employed, 5.

Blacksmith shops, 7; annual business, \$2,550; persons employed, 10.

Other shops, 10; annual business, \$5,525; persons employed, 13.

Population, 2,095, comprising Scandanavians, Americans, Germans, English and Scotch.

Streams—Minneseta and Yellow Medicine rivers.

Lakes—Railroad Grove, Wood, Sound, Swanson and Oleson.

COMMERCE AND MANUFACTURES.

The development of the commerce and manufactures of a country must necessarily be subsequent to that of the resources of its soil, forests or mines, and, in the settlement of a new country, these secondary interests are apt to be overlooked, sometimes to the serious detriment of the community. This can hardly be said to have been the case with Minnesota. The munificent grants of lands for railroads, which she received from the general government at the beginning of her existence soon afforded her commercial facilities which it was then believed would be far in excess of her requirements for years to come. But the fact of the existence of these facilities gave such impetus to the development of her natural resources that they already found to be inadequate to carry off her immense agricultural products. A number of other roads besides these for which lands were granted, have already been built and every year considerable additions are made to all these in the construction of extensions, or branch lines, or cross roads. For several years past public attention has been alive to the necessity for still greater facilities for shipping the products of the State to an ultimate market than can be afforded by railways, and the improvement of the navigation of the Mississippi river and of the water passages connecting the great lakes has been and continues to be loudly demanded.

That the importance of these great commercial outlets is recognized outside as well as within the limits of this State is shown in the circumstance that a commercial convention, held in St. Paul on the 18th and 19th of December last, for the purpose of furthering the improvement of the channels connecting the great lakes, was attended by about two hundred delegates, among whom were representatives from the States of New York, Ohio, Michigan, Illinois and Wisconsin, and from Dakota territory and Manitoba, among the letters sent to the convention from localities not represented by

delegates were one from the New York city and one from the Pittsburg, Pa., boards of trade, expressing the sympathy of those associations with the object of the convention, and pledging their assistance in procuring its consummation.

An interest which commands such extensive attention deserves the fostering care of the State, and because the machinery for collecting statistical information respecting it is as yet so deficient, the commissioner has endeavored to make amends by culling whatever he could obtain from every available trustworthy source, and though not wholly satisfied, cannot but feel a measure of gratification at the showing he is able to make.

A similar difficulty has been experienced and a like course pursued in the collection of manufacturing statistics, but there is perhaps reasonable ground for the hope that in future such difficulty will be obviated by the voluntary efforts [of local officers and other parties interested in the progress of the several localities, and that the commercial, and manufacturing statistics of Minnesota will shortly attain that completeness and accuracy that position of prominence in the statistical reports of the state to which their importance entitles them.

RAILROADS IN 1878.

The following table is furnished by Hon. W. R. Marshall, Railroad Commissioner.

The Railroads of Minnesota, with Termini and Lengths in this State, on December 1, 1878.

NAME OF ROAD.	TERMINI.	MILES.
Chicago, Milwaukee & St. Paul—River Division.	From LaCrescent to St. Paul.	130.47
" " " "—Hastings & Dakota Division.	Hastings to Glencoe—Glencoe to Montevideo.	156.54
" " " "—Iowa & Minnesota Division.	Minneapolis to southern state line.	130.50
" " " "—Iowa & Minnesota Division, Branch	Mendota to St. Paul.	5.50
" " " "—Iowa & Minnesota Division, Branch	Austin to Lyle.	12
Chicago, Dubuque & Minnesota.	LaCrescent to southern state line.	25
Central Railroad of Minnesota.	Mankato to Wells.	40
St. Paul & Duluth.	St. Paul to Duluth.	156
Minneapolis & St. Paul.	Minneapolis to White Bear.	15
Burlington, Cedar Rapids & Northern Railway.	Minneapolis to Albert Lea.	108
Northern Pacific.	State Line to Albert Lea.	12.50
St. Paul & Sioux City.	Duluth to Moorhead.	233.50
Sioux City & St. Paul.	St. Paul to St. James.	121.25
St. Paul & Pacific, First Division—Main Line.	St. James to southern state line.	66.25
" " " "—Branch.	St. Paul to St. Anthony.	207
" " " "—St. Vincent Extension.	St. Anthony to Breckinridge.	76
St. Paul, Sullwater & Taylor's Falls.	St. Paul to Sank Rapids.	69
" " " "—Branch.	Sank Rapids to Alexandria.	69
" " " "—Branch.	Sank Rapids to Alexandria.	211
Southern Minnesota.	St. Paul 12 miles south of Glyndon to St. Vincent and Fisher's Landing.	174.50
Stillwater & St. Paul.	St. Paul to Stillwater.	17.50
Winona & St. Peter.	St. Paul to Lake St. Croix.	3.25
Winona, Mankato & New Ulm.	Stillwater to Lake St. Croix.	3
Worthington & Sioux Falls.	LaCrescent to South Stillwater.	13
Western Railroad of Minnesota.	White Bear to Stillwater.	288.60
Red River & Manitoba.	Winona to western state line.	3.75
Minnesota Midland Railway (Narrow Gauge).	Junction to Mankato.	43.50
Plainview.	Sank Rapids to Brainerd.	60.50
Chaffield.	Breckinridge to Junction 12 south of Glyndon.	33.30
Rochester & Northern.	Wabasha towards Zumbrota.	60
Minnesota Valley.	Eyota to Plainview.	16
	Eyota to Chaffield.	12.3
	Rochester to Zumbrota.	26.71
	Sleepy Eyes to Redwood Falls.	25.89
Total.		2,580.50

Of the foregoing lengths 375 miles were constructed or opened in the year 1878, viz: St. Paul & Pacific, Melrose to Alexandria, 33 miles; St. P. & St. Vincent River, Cretaceous to St. Vincent, 10 miles (including 28 miles of road constructed in 1872, but never operated—rails were taken up at the time); Southern Minn. Ex. from Winnebago City to Jackson, 43.3; Worthington & S. F. extended to State Line 6 miles; Hastings & Dakota from Glencoe to Montevideo, 82.4; Minnesota Valley Sleeping Eyes to Redwood Falls, 25.89 miles; Plainview to Eyota, 16 miles; Chatfield to Eyota, 12.3 miles; Rochester Northern, Rochester to Zumbrota, 25.71 miles; Midland completed to Zumbrota, 40 miles, in addition to 20 constructed in 1877. In the foregoing statement a length of 5.61 miles from St. Paul to Mendota, owned jointly and operated separately by the St. P. & C. R. and the Ch. M. & St. P. Ry. is counted separately by the St. P. & C. R. and the N. P. R. R. So also the 24 miles from Duluth to N. Y. Junction, owned jointly and operated separately by the Ch. M. & St. P. Ry. and the N. P. R. R.

LAKE SUPERIOR.

DULUTH.

The Commissioner is enabled through the courtesy of Hon. V. Smith, Collector of Customs at Duluth, and his accomplished deputy, Mr. H. M. Bywater, also Mr. A. S. Chase, Freight Agent N. P. and St. P. & D. R. R., to make the following exhibit concerning the commerce and trade through this important seaport town:

CUSTOMER HOUSE OFFICE,
COLLECTOR'S OFFICE,
DULUTH, MINN., DEC., 1878. }

Jno. P. Jacobson, Commissioner of Statistics:

SIR:—I have the honor to report the following transactions of this office for 1878.
V. SMITH,
Collector.

ARRIVALS FROM JANUARY 1, TO DECEMBER 18, 1878.

American Vessels from American Ports.

Month.	Schooners.	Str. Screw.	Str. Paddle.	Tons.	No. of Men.
January...		1	.....	14	3
March.....		1	.....	14	3
April.....		10	.....	7,833	231
May.....	8	25	.....	26,397	733
June.....	11	24	.....	20,842	635
July.....	11	34	1	35,109	997
August...	12	36	.....	30,023	945
September.	4	33	.....	25,676	803
October....	8	34	.....	31,885	835
November..	2	21	.....	16,703	461
December..	2	6	.....	897	51
Total 1878..	58	225	1	195,398	5,697
Total 1877..	11	186	.....	162,284	4,941

ARRIVALS FROM JANUARY 1, TO NOVEMBER 30, 1878.

Foreign Vessels from Foreign Ports.

Month.	Schooner.	Str. Screw,	Str. Paddle.	Tons.	Men.
April		6	4	6,151	289
May		11	6	10,145	474
June		12	6	10,914	502
July		12	6	11,394	510
August		12	6	10,914	504
September		12	5	10,336	464
October		10	3	8,072	347
November		5	1	3,885	151
Total, 1878		80	37	71,311	3,241
Total, 1877	32	64	.....	52,984	2,658

CLEARANCES FROM JANUARY 1ST TO DECEMBER 18TH, 1878.

American Vessels to American Ports.

Month.	Schooners.	Str, Screw.	Str, Paddle	Tons.	No. of Men.
January		1	.....	14	3
April		12	.....	9,156	288
May	8	24	.....	24,412	665
June	11	26	.....	22,841	706
July	11	33	1	33,876	967
August	12	37	.....	31,268	982
September	5	31	.....	25,556	794
October	6	33	.....	30,412	812
November	3	22	.....	18,011	512
December	2	5	.....	243	24
Total 1878	58	224	1	195,789	5,753
Total 1877	11	179	40	162,385	4,942

CLEARANCES FROM JANUARY 1ST TO NOVEMBER 30TH, 1878.

Foreign Vessels to Foreign Ports.

Month.	Schooners.	Str. Screw.	Str. Paddle	Tons.	No. of Men.
April.....	6	4	6,151	289
May.....	11	6	10,145	474
June.....	12	6	10,914	503
July.....	12	6	11,394	510
August....	12	6	10,914	503
September	12	5	10,336	464
October...	10	3	8,072	347
November.	5	1	3,385	152
Total 1878.	80	37	71,311	3,242
Total 1877.	32	64	.....	52,984	2,673

GENERAL STATEMENT, *by Articles of Commodities, the Growth, Produce and Manufacture of the United States, exported to Foreign Countries from the Customs District of Duluth, from January 1st to November 30th, 1878.*

Classes.	Description of Commodities.	Quantities.	Value.
	<i>Animals, Living.</i>		
7	Hogs.....	14	\$ 156
8	Horned Cattle.....	60	1,840
12	All other and Fowls.....		6
22	Books, Pamphlets, Maps, &c.....		10
	<i>Bread and Breadstuffs.</i>		
25	Bread and Biscuit.....	1,240 pounds.	124
26	Indian Corn.....	1,242 bushels.	561
27	Indian Corn Meal.....	53 barrels.	128
28	Oats.....	2,981 bushels.	946
31	Wheat.....	22,992 bushels.	27,512
32	Wheat Flour.....	2,014 barrels.	12,738
33	Other small Grain and Pulse.....		16
40	Clocks, and parts of.....		16
41	Coffee, Cocoa and Spices.....		408
	<i>Oils.</i>		
130	Illuminating.....	2,034 gallons.	265
146	Paints and Painter's Colors.....		28
148	Paper and Stationery.....		14
	<i>Provisions.</i>		
152	Bacon and Hams.....	7,705 pounds.	559
153 a.	Beef, salted or cured.....	400 pounds.	20
154	Butter.....	1,427 pounds.	264
157	Eggs.....	1,180 dozen.	129
162	Lard.....	1,400 pounds.	118
163	Meats, preserved.....		4
165	Pickles and Sauces.....		8
166	Pork.....	24,100 pounds.	1,054
167	Onions.....	64 bushels.	54
168	Potatoes.....	790 bushels.	423
169	Other Vegetables.....		100
170	Vegetables, prepared or preserved.....		104
175	Salt.....	5 bushels.	1
176	Scales and Balances.....		15
	<i>Seeds.</i>		
178	Flax Seed and Linseed.....	2 bushels.	3
179	Clover, Timothy and all other.....		6
	<i>Soap.</i>		
182	Other.....	360 pounds.	21
188	Starch.....	120 pounds.	18

GENERAL STATEMENT *by Articles, &c.*—Continued.

Classes.	Description of Commodities.	Quantities.	Value.
48	Cordage, Rope and Twine.....	450	50
53	All other manufactures.....		1,710
54	Drugs, Chemicals and Medicines.....		9
56	Earthen, Stone and China Ware.....	1,030	70
58	Apples, dried.....		46
60	Other Fruit, green, ripe or dried.....		137
61	Fruit Preserved in cans, &c.....		75
65	Glass and Glassware.....		68
77	Hay.....	6½ tons.	132
86	<i>India Rubber and Gutta Percha Manuf'rs.</i> All other Manufactures.....		25
92	<i>Iron and Manufactures of.</i> Castings not otherwise specified.....		25
99	Nails and Spikes.....	3,000	105
100	All other Manufactures of Iron.....		124
103	<i>Steel and Manufactures of.</i> Edge Tools.....		100
106	All other Manufactures of Steel.....		6
114	<i>Leather and Manufactures of.</i> All other Manufactures of.....		25
122	<i>Musical Instruments.</i> Organs, Melodions, &c.....		350
127	Oil Cake.....	50	2
195	Tin and manufacture of.....		3
208	Wearing Apparel.....		124
210	Wine.....	10 gallons.	15
211	<i>Wood, and Manufacture of.</i> Boards &c.....	5 M.	60
213	Shingles.....	10 M.	10
216	Hogsheads and Barrels, empty.....	60	65
217	All other Lumber.....		49
225	All other Manufactures of Wood.....		605
228	Wool and Manufactures of.....		97
231	All other Manufactured Articles.....		5
232	All other Manufactured Articles.....		3,348

RECAPITULATION.

Portion exported in American vessels.....	5,524
Portion exported in Foreign vessels.....	49,585
Total value Domestic Exports.....	55,109

GENERAL STATEMENT of *Commodities brought from Foreign Countries, and Entered for Transit and Transshipment to other Foreign Countries, in the Customs District of Duluth, from January 1st, 1878, to November 30th, 1878.*

Classes.	Description of Commodities.	Quantities.	Value.
	COMMODITIES FREE OF DUTY.		
9	Chemicals, Drugs, &c.		\$ 11
13	Coffee	20,102 pounds.	4,783
35	Vegetable Oils	30 gallons.	23
47	All other free articles		220
	Total free.....		\$5,042
	COMMODITIES SUBJECT TO DUTY.		
48	Animals, living		28,020
49	Beer, Ale, &c.	2,278 gallons.	1,654
50	Books, &c.		9,613
51	Brass, and Manufactures of.....		796
	<i>Breadstuffs, &c.</i>		
54	Bread and Biscuit	29,707 pounds.	2,822
57	Rice	43,441 pounds.	2,098
59	Wheat	8 bushels.	23
61	Meal or Flour of Oats, Corn, &c.		544
62	Peas, Beans, &c.	1,090 bushels.	1,596
63	All other Farinaceous Food		1,173
65	Buttons of all kinds		943
66	Chemicals, Drugs, &c.....		27,875
	<i>Clothing.</i>		
68	Cut and sewed together.....		116,517
69	Articles of Wear.		58,237
71	Cocoa, Manufactured	502 pounds.	185
74	Copper, Manufactures of.....		3,939
75	Cordage, Rope and Twine.....	65,547 pounds.	9,309
80	Manufactures of Cotton.....		56,192
81	Earthen, Stone and Chinaware		9,174
82	Fancy Goods.....		12,602
	<i>Fish.</i>		
85	Sardines.....		1'160
86	All other		935
89	Manufactures of Flax		340
90	Fruits, including Nuts		10,938
91	Furs and Dressed Fur Skins		15,520
	<i>Glass and Queensware.</i>		
92	Cylinder, Crown or Common Window....	2,458 pounds.	112
95	Cast, Polished Plate, not Silvered.....	450 sq. feet.	19
96	Cast, Polished Plate, Silver.....	226 sq. feet.	160
97	Other Manufactures of		9,707

GENERAL STATEMENT of *Commodities, &c*—Continued.

Classes.	Description of Commodities.	Quantities.	Value.
COMMODITIES SUBJECT TO DUTY. (Continued.)			
99	Hair and Manufactures of		185
	<i>Hemp and Manufactures of.</i>		
101	Manufactures of by the yard.....	4,806 sq. yards.	947
102	Other Manufactures of.....		65
			544
103	India Rubber, Gutta Percha, Manf's of ..		
	<i>Iron and Steel and Manufactures of.</i>		
105	Castings	196,418 pounds.	6,554
106	Bar Iron	216,009 pounds.	3,621
108	Band, Hoop, and Scroll Iron	17,901 pounds.	416
110	Sheet Iron.....	11,417 pounds.	695
114	Machinery.....		98,194
115	Fire Arms.....		1,224
116	Steel Ingots, Bars, Wire, &c		887
117	Railroad Bars, of Steel	6,126,284 lbs.	166,408
118	Cutlery.....		5,758
118	Other Manufactures of Iron and Steel		130,117
122	Jewelry, &c.....		21,767
126	Manufactures of Jute.....		10
	<i>Lead and Manufactures of.</i>		
127	Pigs, Bars, &c	525 pounds.	20
128	Manufactures of		2,521
	<i>Leather and Manufactures of.</i>		
129	Leather of all kinds	31,640 pounds,	9,067
130	Gloves of Kid, &c.....	765 pgz. prs.	8,602
131	Other Manufactures of.....		95,418
132	Marble and Stone and Manufactures of.....		476
133	Metals and Manufactures of.....		4,765
134	Musical Instruments.....		7,179
	<i>Oils.</i>		
135	Coal and other Mineral	29,109 gallons.	4,458
136	Whale and Fish.....	62 gallons.	51
137	Olive, Salad	17 gallons.	37
138	Olive, not Salad	66 gallons.	87
139	All other vegetable.....	4,725 gallons.	3,190
140	Volatile or Essential.....	65 pounds.	66
142	Paintings, &c.....		279
143	White Lead.....	33,934 pounds.	2,633
144	Red Lead and Lithage.....	230 pounds.	11
146	Other Paints and Painters' Colors.....		3,103

GENERAL STATEMENT of *Commodities, &c.*—Continued.

Classes.	Description of Commodities.	Quantities.	Value.
COMMODITIES SUBJECT TO DUTY. (Continued.)			
<i>Paper and Manufactures of.</i>			
147	Printing Paper.....	11,045 pounds.	\$ 1,414
150	Manufactures of.....		17,653
154	Provisions.....		24,177
155	Salt.....	57,500 pounds.	183
<i>Seeds.</i>			
157	Flax Seed.....	12 bushels.	12
158	All other.....		65
161	Manufactures of Silk.....		8,499
<i>Soda and Salts of.</i>			
163	Carbonate, &c.....	2,932 pounds.	65
164	Caustic Soda.....	3,055 pounds.	109
165	Acetate, Sulphate, phosphate, &c.....	1,894 pounds.	52
166	Spices of all kinds, &c.....	5,838 pounds.	1,183
167	Straw and Palm leaf and Manufactures of.....		16
<i>Sugar and Molasses.</i>			
169	Refined Sugar.....	180,138 pounds.	14,874
170	Molasses.....	325 gallons.	100
171	Melado and Syrup, &c.....	82,146 pounds.	4,654
172	Candy and Confectionery.....	15,995 pounds.	3,388
<i>Tin and Manufactures.</i>			
174	In Plates.....	1,546 cwt.	7,400
175	Manufactures of.....		2,969
<i>Tobacco and Manufactures of</i>			
177	Cigars.....	4,022 pounds.	8,746
178	Other Manufactures of.....		24,016
179	Watches, &c.....		463
<i>Wines, Spirits and Cordials.</i>			
180	Spirits, &c., in casks.....	32,071 pf. galls.	31,477
181	Spirits, &c., in bottles.....	1,470 dozen.	7,998
182	Wine in Casks.....	3,465 gallons.	5,094
183	Wine in bottles.....	365 dozen.	1,599
<i>Wood and Manufactures of.</i>			
184	Cabinet ware and Manufactures of wood.....		39,447
185	Boards, Planks, &c.....	802,000 feet.	9,754
186	Shingles.....	100,000 feet.	347
188	Other Lumber.....		188
<i>Wool and Manufactures of.</i>			
193	Blankets.....		16,062
194	Carpets.....	5,339 sq. yards.	3,205

GENERAL STATEMENT of *Commodities, &c.*—Continued.

Classes.	Description of Commodities.	Quantities.	Value.
	COMMODITIES SUBJECT TO DUTY. (Continued.)		
196	Hosiery, Shirts and Drawers.....		\$ 116
197	Other Manufactures of.....		76,301
	<i>Zinc and Manufactures of.</i>		
198	In blocks or pigs.....	2,039 pounds.	145
199	In sheets.....	6,549 pounds.	377
200	All other Dutable Articles.....		75,954

RECAPITULATION.

Portion Subject to Duty;.....	\$1,329,670
Portion Free of Duty.....	5,042
Total Declared Value of Import Entries.....	1,334,712

GENERAL STATEMENT *by Articles and Countries, of Exports of Foreign Commodities to Foreign Countries from the Customs District of Duluth, During the Year 1878.*

Class.	Description of Commodities.	Quantity.	Value.
COMMODITIES FREE OF DUTY.			
19	Fur Skins, undressed.....		\$608
47	All other free articles.....		272
	Total free.....		\$880
COMMODITIES SUBJECT TO DUTY.			
59	Wheat.....	54,748 bushels.	\$34,066
	<i>Clothing.</i>		
68	Cut and sewed together.....		83
69	Articles of wear.....		138
80	Manufactures of cotton.....		113
89	Manufactures of flax.....		33
91	Furs and dressed fur skins.....		185
102	Manufactures of hemp.....		112
180	Spirits in casks.....	47 proof gallons.	55
193	Blankets.....		18
200	All other articles not elsewhere specified.....		57,541
	Total.....		\$92,344

RECAPITULATION.

Portion free of duty.....	\$880
Portion subject to duty.....	92,344
Portion from warehouse.....	93,224
Portion shipped in foreign vessels.....	93,224
Total value of Foreign exports.....	\$93,224

GENERAL STATEMENT, *by Articles and Countries of Entries of Imported Commodities brought from Foreign Countries into the Customs District of Duluth, during the year 1878.*

Classes.	Description of Commodities.	Quantities.	Value.
COMMODITIES FREE OF DUTY.			
2	Articles, the produce or Manufacture of the United States brought back, not elsewhere specified.....		641
18	Fresh Fish.....	1120 lbs.	31
19	Fur Skins, undressed.....		3,746
30	Household and Personal Effects and Wearing Apparel, old and in use of persons arriving from foreign countries.....		7,953
47	All other Free Articles.....		6,894
	Total free.....		\$19,265
COMMODITIES SUBJECT TO DUTY.			
48	Animals, Living.....		4,285
	<i>Breadstuffs.</i>		
59	Wheat.....	60 bushels.	79
61	Meal, made from oats, Indian Corn, &c.....		6
68	Clothing, cut and sewed together.....		85
75	Cordage, Rope and Twine, all kinds....	118 pounds.	179
80	Manf. of Cotton, not elsewhere specified.....		127
89	Manufacture of Flax.....		47
90	Fruits, all kinds, including nuts.....		337
102	Manufacture of Hemp.....		112
121	Manufacture of Iron and Steel....		35
131	Manufacture of Leather.....		110
142	Paintings, chromo-lithographs of.....		15
153	Precious Stones.....		122
161	Manufacture of Silk.....		1
175	Manufacture of Tin.....		52
180	Spirits and Cordials in casks.....	190 gallons.	177
181	Spirits and Cordials in bottles.....	30 dozen.	241
182	Wine in casks.....	227 gallons.	243
183	Wine in bottles.....	13 dozen.	78
184	Manufacture of Wood.....		350
185	Boards, Deals, Plank, &c.....	4 M.	49
189	Wool unmanufactured.....	18 pounds.	5
193	Blankets.....		20
196	Hosiery, Shirts, and Drawers.....		2
177	Wool, other manufactures of.....		5
200	All other dutiable articles.....		28
	Total dutiable commodities.....		\$6,790

RECAPITULATION.

Portion free of duty.....	\$19,265
Portion subject to duty.....	6,790
Portion entered for immediate consumption.....	25,289
Portion entered for warehouse.....	766
Portion brought in American vessels.....	1,118
Portion brought in Foreign vessels.....	24,937
Total declared value of import entries.....	\$26,055

Receipts of Customs at the Port of Duluth for the Year 1878.

DUTIES.

April.....	\$11,609 35
May.....	287 90
June.....	616 38
July.....	177 59
August.....	77 51
September.....	73 84
October.....	166 34
November.....	159 08
December.....	19 10
Total duties for the year.....	\$13,187 09

Collections from other sources as follows:

Fines, penalties and forfeitures.....	\$17 75
Marine Hospital dues.....	144 25
Tonnage tax.....	549 60
Steamboat inspection fees.....	75 00
Official fees.....	4,140 20
Sealing merchandise in transit.....	2,165 60
Storage.....	1,011 75

STATEMENT OF FREIGHT FORWARDED BY THE ST. P. & D. R. R.

1878.	SALT.		COAL.	R. R. AND PIG IRON.	MDSE.	TOTAL.
	Barrels.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.
January.....	1,221	366,300	1,349,550	.....	182,348	1,908,198
February.....	1,321	396,300	568,090	.....	109,365	1,073,755
March.....	720	216,000	335,970	.....	349,350	901,320
April.....	1,293	388,000	308,260	89,600	1,206,898	1,992,658
May.....	6,892	2,067,900	3,470,990	698,340	3,602,581	9,839,811
June.....	2,438	731,400	2,085,340	1,008,810	2,548,174	6,373,724
July.....	5,130	1,539,000	1,038,340	738,690	2,542,818	5,858,848
August.....	5,590	1,677,100	2,051,560	203,010	3,247,661	7,179,431
September.....	7,492	2,247,700	5,630,320	269,780	5,460,777	13,608,577
October.....	5,209	1,562,700	10,175,890	599,050	7,151,319	19,488,959
November.....	7,261	2,178,300	5,469,360	1,833,480	3,124,710	12,665,850
December.....	6,594	1,978,200	4,109,090	695,390	669,963	7,452,643
Total.....	51,162	15,348,900	36,592,860	6,136,150	30,195,964	88,273,874

STATEMENT OF FREIGHT FORWARDED BY THE NORTHERN PACIFIC R. R.

1878.	SALT.		COAL.	LUMBER.	R. R. AND PIG IRON.	MDSE.	TOTAL.
	Bbbs.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.
January....	125	37,500	919,640	24,930	.....	48,390	1,030,460
February....	30	9,000	616,060	92,380	.....	31,401	748,841
March.....	344	103,200	865,700	1,084,360	445,573	48,080	2,546,913
April.....	959	287,700	446,810	3,134,270	309,517	1,352,300	5,530,597
May.....	1,441	432,300	943,490	1,919,260	464,040	2,744,693	6,503,783
June.....	1,623	486,900	1,335,240	2,500,990	1,540,565	2,553,433	8,417,128
July.....	1,185	355,500	1,542,540	3,896,520	311,136	1,738,411	7,844,107
August.....	359	107,700	1,506,800	2,439,240	1,105,575	2,119,822	7,279,137
September..	521	156,306	930,560	1,127,460	1,368,206	782,985	4,365,511
October.....	1,206	361,800	1,730,120	1,496,520	664,180	1,299,346	5,551,966
November..	926	277,800	1,973,300	365,690	567,673	339,882	3,524,345
December...	253	75,900	629,710	11,550	.....	42,630	759,790
Total.....	8,972	2,691,606	13,439,970	18,093,170	6,776,465	13,101,373	54,102,578

STATEMENT OF FREIGHT RECEIVED BY THE NORTHERN PACIFIC R. R.

1878.	FLOUR.		MDSE.	WHEAT.	TOTAL.
	Barrels.	Pounds.	Pounds.	Pounds.	Pounds.
January.....	.....	.....	570	261,080	261,650
February.....	100	20,000	1,920	276,550	298,470
March.....	200	40,000	19,200	1,001,505	1,060,705
April.....	700	140,000	21,725	3,293,610	3,455,335
May.....	800	160,000	1,135,090	7,001,390	8,296,480
June.....	600	120,000	487,058	1,749,940	2,356,998
July.....	200	40,000	249,971	772,130	1,062,101
August.....	500	100,000	876,940	6,207,090	7,184,030
September..	400	80,000	101,590	17,808,890	17,990,480
October.....	1,500	300,000	193,455	14,180,700	14,674,155
November.....	800	160,000	110,340	13,232,550	13,492,890
December.....	.....	.....	14,263	2,856,830	2,871,093
Total.....	5,800	1,160,000	3,212,122	68,632,265	73,004,387

STATEMENT OF FREIGHT RECEIVED BY THE ST. P. & D. R. R.

1878.	FLOUR.		MDSE.	WHEAT.	TOTAL.
	Barrels.	Pounds.	Pounds.	Pounds.	Pounds.
January.....	300	60,000	457,845	714,080	1,231,925
February.....	642½	128,500	460,940	461,780	1,051,220
March.....	3,760	752,000	407,609	740,540	1,900,149
April.....	26,565	5,313,000	1,695,125	9,586,970	16,595,095
May.....	40,043	8,008,600	1,617,625	14,987,890	24,584,115
June.....	37,444	7,492,800	1,350,540	2,584,350	11,427,690
July.....	47,545	9,509,000	1,299,780	3,245,280	14,054,060
August.....	33,182	6,636,400	1,076,700	1,766,140	9,479,240
September.....	48,588	9,717,600	1,881,114	5,970,880	17,569,594
October.....	70,898½	14,179,700	3,448,415	9,138,470	26,766,585
November.....	40,750½	8,150,100	2,694,660	2,555,470	13,400,230
December.....	332½	66,500	638,399	828,920	* 1,533,819
Total.....	350,071	70,014,200	17,028,752	52,550,770	139,593,723

RED RIVER VALLEY.

The rapid settlement of that portion of the state bordering on Red River is especially worthy of notice. Comparatively speaking only a few months have elapsed since public attention was first directed to it by the building of the Red River and Manitoba railroad, from Breckenridge to St. Vincent, and subsequently its settlement and development has been astonishing even in this country and age. Already it is the scene of some of the most extensive farming operations in the west, and the fertility of the soil, abundance of excellent water, and proximity to what it is believed will always be a principal thoroughfare of travel to and from Manitoba, are attractions which constantly contribute to add to the numbers of those who seek to make new homes for themselves in a locality so desirable. The reports from Polk county show a yield of from twenty to thirty-three bushels of wheat per acre, and the nutritive grasses and pure water adapt it especially to the raising of cattle. All along the railroad thriving villages have sprung up and are rapidly increasing in population and wealth. Two of these, Crookston and Fisher's Landing, are already places of considerable importance, owing to their advantageous situation on Red Lake river. The travel on the railroad is already considerable, 25,000 passengers being carried during the year, and the report of the customs office at Pembina, furnished through the kindness of Hon. J. Frankenfield U. S. collector at that port and his deputy Mr. N. E. Nelson, which follows, shows that a very considerable local commerce between this state and Manitoba is carried on. During the past year parties who purpose growing beef cattle for eastern and foreign markets have located in this portion of the state, and they speak of it as a more desirable locality for their business than Kansas and other places in more southern latitudes, while the facilities for making shipments by water from Duluth afford cheaper transportation for the stock.

GENERAL STATEMENT of Articles, the Growth, Produce and Manufacture of the United States, Exported to the Province of Manitoba from the Customs District of Minnesota during the 11 Months Ending December 1st, 1878.

Classes.	Commodities.	Quantities.	Value.
4	Mowers and Reapers.....	349	\$14,621
5	Plows and Cultivators.....	712	11,243
6	All other Agricultural Implements.....		6,062
7	Hogs.....	181	1,205
8	Horned Cattle.....	757	20,773
9	Horses.....	52	4,464
10	Mules.....	9	740
11	Sheep.....	573	1,795
16	Beer in Casks.....	645 gallons.	225
17	Bells, Bell Metals, &c.....		177
18	Billiard Tables and Fixtures.....		180
22	Books, &c.....		647
23	Brass and Manufactures.....		57
25	Bread and Biscuit.....	3,667 pounds.	282
26	Indian Corn.....	860 bushels.	520
27	Indian Corn Meal.....	28 barrels.	88
28	Oats.....	3,583 bushels.	1,830
29	Rye.....	25 bushels.	17
32	Wheat Flour.....	624 barrels.	3,353
33	All other small grain.....		83
34	Maizena, Farina, &c.....		2,829
36	Brooms and Brushes, &c.....		559
37	Candles.....	12,610 pounds.	1,566
38	Carriages, Carts, &c.....		22,762
40	Clocks.....		537
41	Coffee, Cocoa, &c.....		8,218
42	Coal.....	386 tons.	2,468
44	Combs.....		80
48	Cordage.....		1,159
51	Cotton, colored.....	134,860 sq. yards.	10,746
51	Cotton, uncolored.....	83,166 sq. yards.	6,007
53	Cotton, other manufactures.....		11,834
54	Drugs and Chemicals.....		5,860
55	Dyestuffs.....		57
56	Earthen, Stone and China Ware.....		267
57	Fancy articles.....		2,282
58	Apples, dried.....	192,357 pounds.	10,596
59	Apples, green.....		4,365
60	Other Fruit.....		6,978
61	Fruit, Preserved.....		12,761
65	Glass and Glassware.....		6,986
74	Hair, Manufactures of, &c.....		55
75	Hats and Caps, Wool, &c.....		2,245
79	Cables.....		473
83	Hops.....		478
87	Iron, Pig.....	227 Cwt.	269
88	Iron, Bar, &c.....	18,179 Cwt.	45,525
91	Iron, Sheet, Band and Hoop.....		4,370

GENERAL STATEMENT, of *Articles, &c.*—Continued.

Classes.	Description of Commodities.	Quantities.	Value.
92	Iron Castings.....	.....	954
94	Stoves.....	.....	2,553
95	Steam Engines, Locomotives.....	.....	7,700
96	Steam Engines, Stationary.....	.....	405
98	Machinery.....	.....	4,654
99	Nails and Spikes.....	223,500 pounds.	8,692
100	Iron, other manufactures.....	.....	13,630
101	Steel, Ingots, Bars &c.....	.....	2,507
102	Cutlery.....	.....	113
103	Edge Tools.....	.....	1,008
105	Firearms.....	.....	2,069
106	Steel, other manufactures.....	.....	373
106a.	Jewelry.....	.....	78
108	Lamps.....	.....	277
109	Lead.....	.....	163
112	Boots and Shoes.....	.....	619
113	Harness and Saddlery.....	.....	7,429
115	Lime and Cement.....	.....	326
118	Marble and Stone.....	.....	526
122	Organs.....	.....	100
123	Pianos.....	.....	985
124	Musical Instruments, other.....	.....	24
126	Tar and Pitch.....	.....	30
130	Oil, illuminating.....	5,236 gallons.	844
133	Oil, lard.....	49 gallons.	30
138	Oil, linseed.....	728 gallons.	451
142	Cartridges.....	.....	51,603
143	Gunpowder.....	2,700 pounds.	848
146	Paints.....	.....	2,327
147	Paper and Stationery.....	.....	7,987
149	Perfumery.....	.....	968
150	Platedware.....	.....	242
152	Bacon and Hams.....	390,449 pounds.	28,415
154	Butter.....	13,566 pounds.	1,943
155	Cheese.....	2,831 pounds.	278
156	Condensed Milk.....	.....	50
159	Eggs.....	171 dozen.	46
161	Fish.....	.....	1,859
162	Lard.....	26,755 pounds.	2,400
163	Meats, preserved.....	.....	3,401
164	Oysters.....	.....	2,789
165	Pickles and Sauces.....	.....	1,634
166	Pork.....	235,750 pounds.	12,141
169	Vegetables.....	.....	3,113
175	Salt.....	.....	2,880
176	Scales and Balances.....	.....	83
179	Garden Seeds, &c.....	.....	543
180	Sewing Machines.....	.....	244
182	Soap.....	47,245 pounds.	2,520
189	Spirits Turpentine.....	.....	384
188	Starch.....	8,537 pounds.	647
191	Sugar, refined.....	753,989 pounds.	68,068
192	Molasses.....	8,725 gallons.	3,578

GENERAL STATEMENT of *Articles, &c.*—Continued.

Classes.	Description of Commodities.	Quantities.	Value.
193	Candy.....		\$2,650
195	Tin and Manufactures.....		1,277
197	Cigars.....	75,000	1,722
199	Tobacco.....		1,887
203	Vessels, Steamers.....	550 tonnage.	49,300
205	Vinegar.....	1,178 gallons.	212
206	Watches.....		238
208	Wearing Apparel.....		7,358
211	Boards, &c.....	1,505 M.	19,458
212	Laths and Palings.....		764
213	Shingles.....	2,030 M.	4,336
218	Firewood.....	1,175 cords.	3,362
220	Logs.....		14,462
223	Furniture.....		8,159
225	Wood, other manufactures.....		2,935
228	Wool.....		3,768
	Total domestic exports.....		\$616,113

Value of goods imported from the Province of Manitoba into the Customs District of Minnesota, at the Port of Pembina, D. T., during the eleven months, ending December 1st, 1878, viz.:

Total Value Importations..... \$509,806 00

ST. PAUL CUSTOM HOUSE.

DEPUTY COLLECTOR'S OFFICE, }
 CUSTOM HOUSE, ST. PAUL, MINN, Dec. 4, 1878. }

John P. Jacobson, Esq., Commissioner of Statistics.

SIR:—In accordance with your request of the 22d ult., I herewith enclose a report of the transactions of this office, during the year ending Nov. 30, 1878.

Very respectfully, your obedient servant,

GEORGE W. MOORE,

Deputy Collector.

Imports.

Description of Merchandise.	No. of Packages.	Valuation.	Duties.
Books.....	1	\$ 94	\$ 23 50
Cheese.....	2	105	30 64
China and Glassware.....	4	289	134 60
Church goods.....	1	234	110 90
Dried Fruit.....	5	33	3 30
Druggist Sundries.....	46	6,615	2,897 11
Dry Goods.....	42	8,829	3,650 00
Earthenware.....	71	2,948	1,179 20
Fish.....	388	2,975	376 44
Guns and Gun Barrels.....	1	530	195 80
Hardware.....	4	406	148 20
Ivory Rings.....	2	311	108 85
Leather.....	9	6,317	1,579 25
Millstones.....	16	1,174	234 80
Optical goods.....	4	647	263 05
Seed Wheat.....	170	434	68 00
Seed Barley.....	5	8	1 50
Spirits.....	24	912	1,461 92
Wine.....	101	1,405	509 00
Total.....	896	\$34,266	\$12,976 06

Entries for duty.....	71
Entries for warehouse.....	6

COLLECTIONS.

Duties on imports.....	\$12,976 06
Marine Hospital dues.....	580 78
Steamboat inspection, &c.....	1,272 50
Official fees.....	299 00
Miscellaneous matters.....	635 25
	<hr/>
	\$15,763 59

TONNAGE.

	No.	Tons.
Steamboats licensed.....	40	3,401.71
Barges licensed.....	6	675.69
Vessels built—steamboats.....	4	333.20

REPORT OF ST. PAUL CHAMBER OF COMMERCE.

WHOLESALE TRADE OF ST. PAUL, 1878.

	No. of Houses.	No. of Employees.	Sales.
Agricultural Implements.....	7	90	\$1,500,000
Beer.....	14	30	345,000
Boiler, Steam.....	2	4	50,000
Booksellers and Stationers.....	3	32	500,000
Boots and Shoes.....	3	250	1,500,000
Boxes, Paper and Wood.....	4	10	34,000
Brewers' Supplies.....	1	4	45,000
Brooms.....	2	3	16,000
Butter.....	2	10	55,000
Carpets.....	3	15	250,000
Cigars and Tobacco.....	40	60	500,000
Commission Merchants.....	15	80	1,675,000
Confectioners.....	4	10	220,000
Copper and Brass.....	2	2	10,000
Crackers.....	4	52	200,000
Crockery and Glassware.....	3	25	200,000
Clothing.....	6	40	861,000
Drugs.....	2	50	900,000
Dry Goods.....	4	135	4,500,000
Flour Mills (alone).....	6	11	700,000
Fruits, Foreign and Domestic.....	2	7	220,000
Furniture.....	3	10	300,000
Grain.....	22	38	4,000,000
Groceries.....	3	110	5,500,000
Gloves.....	2	3	15,000
Hardware.....	8	71	1,500,000
Harness.....	3	32	56,500
Hats, Caps and Furs.....	3	23	500,000
Hides, Pelts, &c.....	7	31	1,000,000
Iron, Steel, &c.....	2	22	500,000
Leather and Shoe Findings.....	1	6	400,000
Lime, Plaster and Cement.....	6	10	60,000
Looking Glass Plate.....	1	2	7,000
Lumber, Lath and Shingles.....	11	281	500,000
Mill Machinery and Railroad Supplies.....	6	15	300,000
Millinery.....	5	25	300,000
Oils.....	1	2	60,000
Oysters and Fish.....	2	4	50,000
Photograph Stock.....	2	7	30,000
Pork Packers.....	6	58	350,000
Printers Materials.....	3	20	45,000
Saddlery Hardware.....	3	18	350,000
Salt.....	2	6	50,000
Sash, Doors and Blinds.....	3	10	100,000
Seeds.....	1	6	35,000
Sewing Machines.....	7	30	125,000
Soap and Candles.....	2	5	50,000
Steam Heating Apparatus.....	3	7	50,000
Teas and Coffees.....	4	20	300,000
Toys and Fancy Goods.....	2	14	120,000
Trunks and Valises.....	3	9	40,000
Vinegar.....	1	5	15,000
Watches and Jewelry.....	2	5	100,000
Wagons.....	6	20	100,000
Wines and Liquors.....	9	50	550,000
Total.....	272	1,825	\$31,939,500

MANUFACTURES OF ST. PAUL, 1878.

	Number of Manufac- tories.	Number of persons employed.	Value of Products.
Agricultural Implements.....	2	190	\$375,000
Baking Powder.....	1	16	30,000
Boiler.....	2	25	50,000
Blank Books.....	3	47	30,000
Boots and Shoes.....	3	250	700,000
Boxes.....	4	30	40,000
Brewers.....	11	100	300,000
Bricks.....	1	25	19,000
Brooms.....	2	10	16,000
Carriages and Wagons.....	18	160	200,000
Cement Pipes.....	1	4	4,000
Cigars.....	29	200	200,000
Clothing.....	4	560	300,000
Confectioner.....	4	40	200,000
Copper and Brass.....	2	9	10,000
Crackers.....	4	52	200,000
Cutlery.....	1	2	5,000
Coffee and Spices.....	2	26	200,000
Coopers.....	5	43	20,000
Dried Beef, sliced.....	1	3	3,000
Drugs, &c.....	2	10	85,000
Engravers.....	2	4	10,000
Engines and Cars.....	2	200	200,000
Flour.....	6	38	600,000
Foundries.....	2	50	150,000
Furs.....	5	135	200,000
Furniture.....	4	40	50,000
Guns.....	3	10	10,000
Harness.....	7	31	51,000
Horse Collars.....	3	24	52,000
Jewelry.....	2	6	100,000
Lithographers.....	3	20	35,400
Machinists.....	4	30	50,000
Malt.....	1	8	34,000
Marble.....	4	20	40,000
Mathematical Instruments.....	1	2	2,500
Millinery.....	3	30	45,000
Newspapers.....	12	251	300,000
Planing Mills.....	3	12	50,000
Pop and Ginger Ale.....	3	12	25,000
Pork Packers.....	6	58	350,000
Printing, Book and Job.....	14	150	250,000
Roofing Materials.....	2	30	80,200
Sash, Doors and Blinds.....	4	40	65,000
Show Cases.....	1	2	3,400
Soap and Candles.....	2	16	48,000
Shirts.....	6	50	60,000
Steam Heating.....	4	30	36,000
Tin and Sheet Iron.....	17	70	72,000
Trunks and Valises.....	3	30	65,000
Type Foundries.....	1	11	15,000
Vinegar.....	1	5	15,000
Totals.....	233	3,117	\$6,150,900

CIGARS MADE IN 1878.

Total number.....\$4,000,000

BEER MADE IN 1878.

Total number of barrels.....30,059

STREET RAILWAY 1878.

Length of line operated, miles..... $3\frac{3}{4}$
 Cars in regular run..... 8
 Horses and mules in use..... 47
 Number of employees..... 22
 Passengers carried..... 501,788

FREIGHT RECEIVED AND SHIPPED 1878.

		Imports.	Exports.
		Pounds.	Pounds.
Steamers.	{ Keokuk Northern Line.....	25,254,674	10,901,867
	{ Diamond Jo Line.....	10,071,000	500,000
	{ St. Paul & Pacific.....	217,940,693	83,706,900
	{ St. Paul & Duluth.....	174,521,769	111,164,260
Railroads.	{ West Wisconsin.....	108,000,000	57,000,000
	{ Chicago, Milwaukee & St. Paul.....	105,240,000	57,450,258
	{ St. Paul & Sioux City.....	85,873,435	193,949,235
	{ St. Paul & Stillwater.....	81,000,000	12,289,090
Total.....		807,911,571	521,971,610

BANKING.

Three National banks and four State or private banks.

Average daily deposits..... \$ 4,122,324 00
 Average daily discount..... 4,130,000 00
 Exchange sold..... 37,427,295 00

ELEVATOR BUSINESS 1878.

Three Elevators with capacity of about six hundred thousand bushels of grain.
 They employ twenty men, and during the year stored 2,010,000 bushels of grain.

ST. PAUL NEWSPAPERS.

Name of Paper.	Daily.	Weekly.	Tri-Weekly.	Monthly.	What Language.	No. of employees.
Pioneer Press.....	1	1	1	.....	English.....	85
Globe.....	1	1	1	.....	English.....	40
Dispatch.....	1	1	1	.....	English.....	37
Volkszeitung.....	1	1	.....	.....	German.....	20
Demokrat.....	.....	1	.....	.....	German.....	10
Wanderer.....	.....	1	.....	.....	German.....	10
Chronicle.....	.....	1	.....	.....	English.....	8
Le Canadien.....	.....	1	.....	.....	French.....	4
Newspaper Union.....	.....	1	.....	.....	English.....	25
Northwestern Law Reporter.....	.....	1	.....	.....	English.....	6
St. Paul Journal.....	.....	.....	.....	1	English.....	2
Ind. Farm and Fireside Companion.....	.....	.....	.....	1	English.....	4
Total Publication.....	.....	.....	.....	12	Total Employes.....	251

Aggregate circulation..... 47,000

Aggregate business..... \$300,000

ANNUAL STATEMENT OF THE BUSINESS OF THE ST. PAUL POST OFFICE, DURING THE YEAR 1878.

The following figures will show the amount of business transacted at the Saint Paul Post Office for the year ending December 31st, 1878, compared with 1877:

	1877.	1878.
GENERAL BUSINESS.		
Received from stamps, envelopes, cards, etc.....	\$44,759 20	\$53,186 44
Received from newspaper and periodical stamps.....	4,456 44	6,157 44
Received from box rent.....	1,995 50	2,214 00
Received from unpaid letters.....	1,046 35	1,044 34
Received from waste paper and twine.....	55 79	39 22
Received from other offices (deposited).....	9,908 94	14,653 28
Amount paid drafts on postmaster.....	7,221 81	21,520 50
Amount paid route agents, messengers, etc.....		30,887 29
Amount paid letter carriers.....		6,968 21
Amount paid letter carriers' expenses.....		42 20
Total postal funds.....		\$136,712 92
MONEY ORDER BUSINESS, 1877.		
	1877.	1878.
Domestic orders issued.....No. 8,033	\$109,570 27	No. 9,413
Fees on same.....	978 20	1,139 40
Foreign orders issued.....No. 214	4,293 41	No. 279
Fees on same.....	121 35	141 65
Domestic orders paid.....No. 25,894	372,478 20	No. 30,553
Foreign orders paid.....No. 228	5,437 36	No. 293
Surplus money order fund received from other offices.....	603,291 00	796,365 00
Surplus money order funds remitted to postmaster, Chicago.....	337,800 00	458,400 00
Total money order funds.....	\$1,433,969 79	\$1,853,613 35
Grand total, money order and postal funds.....	1,503,413 82	1,990,326 27
INCOME.		
	1877.	1877.
Total receipts.....	\$53,412 83	63,922 49
Total expenses.....		15,403 42
Income.....		\$48,519 07
REGISTRY DIVISION.		
Number of registered letters sent.....	3,267	4,209
Number of registered letters received.....	25,659	29,873
Number of packages of registered mail in transit.....	44,920	53,373
Total number of letters and packages.....	73,846	87,455
CARRIERS' DIVISION.		
Number of carriers.....	10	10
Registered letters delivered.....	12,923	15,695
Mail letters delivered.....	977,300	1,185,231
Mail postal cards delivered.....	162,352	199,289
Local letters delivered.....	53,488	74,008
Local postal cards delivered.....	49,616	64,205
Newspapers, etc., delivered.....	565,424	600,679
Letters returned to the office.....	1,218	1,225
Letters collected.....	710,531	757,400
Postal cards collected.....	196,018	234,699
Newspapers, etc., collected.....	65,009	95,255
Total.....	2,793,859	3,257 686

STATEMENT OF ST. PAUL POST OFFICE—Continued.

	1877.	1878.
BOX AND GENERAL DELIVERY.		
Number of letters delivered through boxes and general delivery.....	564,363	676,720
Number of postal cards delivered through boxes and general delivery.....	93,440	131,508
Number of newspapers delivered through boxes and general delivery.....	264,625	336,852
Number of circulars delivered through boxes and general delivery.....	38,398	.....
Number of packages of merchandise, etc., delivered at general delivery.....	18,615	31,916
Total number of pieces of mail.....	979,441	1,176,996
MAILING DIVISION.		
Number of letters mailed.....	1,449,292	2,136,564
Number of postal cards.....	339,514	572,977
Number of newsdealers' packages.....	3,835	9,307
Number of newspaper packages.....	674,570	1,132,084
Number of transient papers, magazines, pamphlets, etc.....	330,317	347,264
Number of unsealed circulars.....	132,743	375,220
Number of books.....	6,825	10,001
Number of packages merchandise, seeds, etc.....	28,678	64,678
Total number of pieces sent.....	2,965,794	4,648,095
SUMMARY PIECES OF MAIL HANDLED.		
Number of pieces handled by carriers.....	2,793,859	3,257,686
Number of pieces delivered through boxes and general delivery.....	979,441	1,176,996
Number of pieces forwarded in mail.....	2,965,794	4,648,095
Number of registered letters.....	73,846	87,455
Total pieces mail handled.....	6,812,940	9,170,232
WEIGHT OF MAIL ORIGINATING AT THIS OFFICE.		
Number of pounds letters and postal cards.....	32,890	*41,454
Number of pounds all other mail matter.....	293,280	.....
Number of pounds of 2d class mail at 2 cents a pound.....	.....	305,896
Number of pounds of 2d class mail at 3 cents a pound.....	.....	1,318
Number of pounds of 3d class mail at 1 cent for 2 ounces.....	.....	40,170
Number of pounds of 3d class mail at 1 cent an ounce.....	.....	14,181
Total pounds of mail originating at this office.....	326,170	403,019
MAIL POUCHES AND TIE SACKS.		
Number of lock pouches received.....	14,634	15,876
Number of lock pouches dispatched.....	14,523	16,032
Number of tie sacks, papers and merchandise received.....	16,518	17,172
Number of tie sacks, papers and merchandise dispatched...	20,478	23,640
Total received and dispatched.....	66,153	71,720
DEAD LETTER DIVISION.		
Unmailable letters sent to dead letter office....	581	713
Held for postage—letters upon which three cents had not been paid.....	1,324	1,135
Hotel letters, returned from hotels.....	399	480
Letters advertised and sent to dead letter office—domestic...	4,135	4,588
Letters advertised and sent to dead letter office—foreign...	367	402
Local drop letters.....	1,121	1,071
Number of letters advertised.....	7,186	7,191
Letters returned to writer—special request.....	5,604	5,200
Letters forwarded.....	6,628	10,112
Postal cards forwarded.....	1,154	1,816

*Estimated.

DAVID DAY,
Postmaster.

THE SAINT PAUL HARVESTER WORKS.

The sale of agricultural implements of all kinds within our borders has assumed immense proportions, and it is pleasant to realize that our own State stands among the most prominent in the production of harvesting machinery, and not only are machines enough produced for home consumption, but thousands besides find already sale in the different sections of the wheat belt of the great Northwest.

The Saint Paul Harvester Works ranks as sort of a parent institution in the manufacture of harvesting machines. It was really the first concern that assumed any magnitude in that special branch in our commonwealth. Commencing in 1872, with the manufacture of 300 Elward Harvesters, the business has grown to such an extent that the only question has been really, how many machines could they produce? To-day it is a concern that has a capital and surplus of over six hundred thousand dollars. It has the finest lot of shops in the whole Northwest; capable of turning out 25 Harvesters, 10 Binders, and 10 Mowers a day, and in summer, in the busy season a Harvester is produced every 20 minutes. Two hundred and fifty men find employment in the shops. Most of them are skilled workmen in wood and iron, and have been in the employ of the company from its organization. There is much credit due this institution starting first, when harvesters were becoming the leading machines, their machine, The Elward, took a leading position. As soon as the demand for Binders became universal, they came out with one that binds with wire; they have now perfected a Cord Binder which they will place on the market this season, which will be gratefully received by the farming community, as it does away with the many objections that have been raised against wire. They are also introducing to the notice of the West the Eureka Mower, an entirely new one in principle and one that will commend itself to our practical farmers. It is pleasant to note the rapid progress that this concern has made, and we only hope, as it grows older, its success may still be more great.

REPORT OF MINNEAPOLIS BOARD OF TRADE.

COMMERCE AND MANUFACTURES OF MINNEAPOLIS, HENNEPIN COUNTY.

COMMERCE.

In giving the commerce of the city, the sales by manufacturers of their own wares are not included, either of the flouring, lumber, cotton, woolen or oil mills. This is all disposed of to jobbers and dealers, but by placing it both under the head of manufactures and the wholesale trade, would virtually duplicate the amount. The annexed table shows the number of the firms engaged in the wholesale trade, and their business in 1878. In this list some firms who do a retail trade are included, but none that are not largely jobbers.

WHOLESALE TRADE, 1878.

	No. Firms.	Am't Sales.
Groceries, staple and fancy, including fruits and cigars.....	12.....	\$3,500,500 00
Dry Goods, Notions and Clothing.....	3.....	1,975,500 00
Queensware and Drugs.....	6.....	510,000 00
Hardware and Stoves.....	6.....	810,000 00
Wines and Liquors.....	7.....	505,000 00
Boots, Shoes, Leather and Harness, &c.....	9.....	710,000 00
Agricultural Implements, wagons and carriages.....	9.....	825,000 00
Produce and Commission.....	11.....	1,375,000 00
	63	\$10,211,000 00

RETAIL TRADE.

It is impracticable to arrive at the amount of the retail trade of Minneapolis. It is in proportion to the wholesale trade, very large and fully represented in every department. In the leading branches, such as dry goods, groceries, millinery, drugs and clothing, etc. There is no city in the Northwest excels it in the number of firms engaged in trade or in the completeness and extent of their stocks.

A large number of these firms are doing a business of from \$100,000 to \$200,000 annually. There are over 300 firms engaged in the retail trade, and the aggregate business may safely be estimated as equal to the wholesale sales, or over \$10,000,000.

MANUFACTURES.

The branch of manufactory which represents the largest amount of capital invested and value in product is flour. The product in 1878 was materially diminished by the destruction of six of the mills on the 2d of May by fire, and in Nov. of another by the same cause. By these two fires one-half of the milling capacity of the city was destroyed.

This loss of milling capacity, however, was only temporary as most of the mills destroyed have been rebuilt, and three new mills put in operation, giving a capacity considerable greater than before the fire. Two new mills are now in course of construction which, with three that are being rebuilt, will about double the milling capacity of the city—all of these will be completed during the present year. The addition of a large number of hungarian rollers increases the *capacity of the mills* 33 per cent.

LIST OF MILLS NOW IN OPERATION WITH NUMBER OF RUN OF STONES IN EACH, INCLUDING ADDITIONS BEING MADE.

Name.	No. Stone.
Cataract.....	10
Arctic.....	10
Union.....	6
Holley.....	5
R. P. Russel.....	7
Dakota.....	6
Empire.....	12
Minneapolis.....	11
Pillsbury.....	12
Excelsior.....	14
City.....	5
Pettit & Robinson.....	20
Zenith.....	12
Palisade.....	11
Humboldt.....	14
Washburn B.....	41
Anchor.....	12
North Star.....	7
Phoenix.....	5

SHIPMENTS OF FLOUR IN 1878.

January (barrels).....	84,139
February (barrels)...	80,114
March (barrels).....	95,804
April (barrels).....	112,632
May (mills destroyed).....	64,654
June.....	63,973
July.....	65,239
August.....	41,250
September.....	62,258
October.....	87,900
November.....	88,189
December.....	94,634
Total number barrels.....	940,786

One feature of the flour trade of the city in 1878, is the opening of a direct trade with Europe.

By shipments on through bills of lading, from 30 cents to \$1 per barrel is saved in commissions and transfer charges at sea board ports. Of the shipments, 109,183 barrels were shipped on through bills of lading to European ports, in 1878.

The demand in Europe for Minnesota flour is steadily on the increase as its superior qualities become known to consumers, and it bids fair to be the best market to which Minnesota millers can send their flour. Orders for shipments are received daily by millers.

WHEAT.

The receipts of wheat at Minneapolis for the year 1878 were 5,023,880 bushels. This wheat was almost exclusively manufactured into flour in the city.

LUMBER.

There are in the city twenty saw and shingle mills, with eighteen gang and twenty-five double circular saws, besides smaller saws.

An open winter in 1877-8, with low water for driving during the summer, caused a light supply of logs at the mills during 1878.

The cut of the mills was:—

Lumber (feet).....	130,774,075	
Shingles.....	60,289,875	
Lath.....	22,312,150	
Value.....		\$2,170,000

The capacity of the mills is over 200,000,000 feet for the running season.

MISCELLANEOUS MANUFACTURES.

The miscellaneous manufacturing of Minneapolis is rapidly increasing in amount and by additions of new branches of industry. During 1878, Eastern parties have erected a stove works which was put in operation in August last. This is the first effort at this class of work in the Northwest, and it promises to be a success. The company have from the first, manufactured a casting equal in all respects to the best Eastern work, and find a ready market for their wares.

The manufactory of farm machinery has assumed an important place in the industries of this city and State.

Among the many manufacturing establishments of Minneapolis, the Minneapolis Harvester Works stands in the front rank as an enterprising and flourishing institution, and from present indications is destined to become much greater in its proportions. A large extension has recently been added to their manufacturing buildings, which are models of order and neatness, equipped with all requisite machinery for carrying on their business, and containing all necessary safeguards against fire. The works are located near the C. M. & S. P. R. R.

The machines manufactured by this company are the Dewey Harvester and Meadow Lark Mowers and Reapers, each standing among the first and most popular of its class, as can be testified to by many of the thrifty farmers of our State. This concern is turning out annually, in the aggregate, about twenty-five hundred machines; their trade extending into the adjacent States and Territories, being represented by seven general and upwards of one hundred and fifty local agents.

The officers of the company are D. Morrison, President; Clinton Morrison, Vice President; R. H. Jones, Secretary and Treasurer—men of large experience, enterprise and worth, and in whose hands the business must prosper and grow.

In addition to the Harvester Works, two large establishments are engaged in the manufacture of plows and other farm implements, giving employment to about one hundred men.

WOOLEN AND COTTON.

The North Star Woolen Mill is too well known to need special mention. It is, however, of great value to the State, by giving to the farmer a home market for his wool, at prices above what shippers would pay. At present these mills have a capacity in excess of the entire wool clip of the State, and during the year, in addition to manufacturing all the wool they could obtain in the State, have purchased large quantities of Colorado and other wools.

The manufacture of cotton is carried on only on a small scale, but enough to demonstrate that cotton can be spun and woven as profitably in Minnesota as in New England. The cotton mill during the year has been engaged largely in manufacturing sacks for the millers. This demand has grown out of the direct export of flour to Europe; sacks being preferred to barrels, as room is a great desideratum with ocean steamers, and sack flour stows to a better advantage than barrels.

The following table gives the number of firms engaged in various lines of miscellaneous manufacturing, and the value of their product in 1878.

MISCELLANEOUS MANUFACTURES.

Business.	No. of Firms.	Value of Product.
Iron, including Machinery, Stoves, &c.	20	\$1,150,325 00
Cotton and Wool	2	375,100 00
Oil	1	150,000 00
Coopers	14	560,000 00
Crackers, Candy, &c.	3	150,500 00
Soap, rendering and Glue	2	220,200 00
Paper	2	221,000 00
Farm Implements, Wagons, &c.	17	702,500 00
Boots, Shoes, Trunks, Harness, &c.	12	405,100 00
Doors, Sash and other wood work.	23	601,200 00
Clothing, Furnishing Goods, &c.	4	260,500 00
Breweries	4	150,000 00
Furniture	8	205,100 00
Brooms	2	28,000 00
Brick	2	85,000 00
Book and Job Printing	4	205,000 00
	120	\$5,469,525 00

There are in addition to the above some 400 smaller establishments engaged in miscellaneous manufacturing, mostly for the local trade, with from one to twenty employees. The value of this product cannot be accurately ascertained, but amounts in the aggregate to a large sum. There is now in course of erection a stone fire proof building 60 feet by 500, two stories high, furnished with 600 horse power for driving machinery. This building will be rented to parties wanting room and power for small or large manufacturing.

BUILDINGS AND IMPROVEMENTS IN 1878.

During the year there were builded new and rebuilt, six flouring mills, giving an addition of one hundred and three run of stone, not including rollers, and increasing the capacity of all the mills to 4,000 bbls. of flour per day, at a building cost of	\$ 636,000
One new machine shop, and one new stove works, and additions to iron working shops and establishments	133,500
Eighteen 3 and 4-story brick and stone business houses, with a total frontage of 399 feet—cost	118,300
Fifteen 2 story brick and stone business houses, with a total frontage of 325 feet—cost	27,000
Five frame business houses, with a total frontage of 105 feet—cost	5,900
Twenty-two 2 and 3-story brick dwellings—cost	124,800
One hundred and ten frame dwellings and blocks—cost	184,200
Additions to seven stores	18,800
Two new brick school houses and completion of high school building, and improvements of school buildings throughout the city	93,000
Completion of the stone arch bridge	36,000
Fair grounds buildings	17,000
Minneapolis and St. Louis railroad depots and other improvements	35,000

Chicago, M. & St. P. R. R. round house and other improvements...	35,000
Additions to county court house.....	8,000
Barns and stables, including two brick and stone stables.....	15,500
Miscellaneous additions and improvements to dwellings.....	57,000
Water mains laid.....	56,068
Public sewers.....	11,807

Grand total.....\$1,612,875

These figures do not include any actual or estimated cost of the large amount of work now going forward in this city on the Eastern railroad, and is merely an exact statement of the actual building completed during the time specified. It will be seen that the new business houses present a total frontage of seven hundred and twenty-nine feet.

BANKS.

There are three National Banks in the city, with an aggregate capital of \$1,250,000, and five State banks with an aggregate capital of \$750,000. Total banking capital, \$2,000,000. The Security, a State Bank, will enlarge its capital and banking house during the present year.

EDUCATIONAL.

The public school system of the city has a reputation second to none in the country. It has twelve substantial brick or stone school buildings, with ninety-three rooms, exclusive of the high school. Employs 108 teachers.

During the year a high school building has been completed, costing with grounds, heating apparatus and fixtures, \$90,000. The total value of school property owned by the city is \$400,000. During the year 1878, two of the twelve school buildings were erected, besides the high school building.

There were in attendance on the public schools during 1878, 5,270 pupils, and \$67,883.51 was paid to teachers and janitors for services rendered.

OTHER EDUCATIONAL INSTITUTIONS.

1 State University, 1 Business College, 1 Mechanics' Institute, 2 Seminaries, 8 Parochial Schools, 2 Private Schools, 2 Select Schools.

CHURCHES.

1 Advent, 8 Baptist, 6 Catholic, 4 Congregational, 8 Episcopal including missions, 2 Friends, 1 Hebrew, 14 Lutheran including missions, 13 Methodist including missions, 5 Presbyterian, 1 Swedenborgian, 1 Christian, 1 Universalist.

Total number of churches, 65.

SUMMARY OF BUSINESS.

Wholesale.....	\$10,211,000 00
Retail (estimated).....	10,000,000 00
Lumber, Lath, Shingles, &c.....	2,170,000 00
Flour and mill products.....	6,000,000 00
Wheat.....	4,500,000 09
Manufactures.....	5,469,525 00
Small manufactures, (estimated).....	3,000,000 00
Buildings.....	1,612,875 00
	<hr/> \$42,963,400 00

OTHER BOARD OF TRADE REPORTS.

Moorhead, Clay County.

WHOLESALE HOUSES.

	Number of Houses.	Number of Persons Employed.	Amount of Sales for the year.
General Merchandise.....	5	11	\$235,000
Hardware	5	7	85,000
Liquor.....	2	3	25,000
Total.....	12	21	\$345,000

MANUFACTURES.

	Number of Manufac- tories.	Number of Persons Employed.	Value of Products.
Moorhead Manufacturing Company...	2	14	\$110,000
Brewery	1	3	6,000

RETAIL HOUSES.

	Number of Houses.	Number of Persons Employed.	Whole Am't of Sales during year.
General Merchandise.....	4	17	\$215,000
Hardware.....	2	5	60,000
Dry Goods and Clothing.....	1	3	30,000
Publishers and Printers.....	1	4	4,000
Liquors.....	5	9	35,000
Musical Instruments.....	1	3	25,000
Drugs and Medicine.....	1	3	20,000
Groceries.....	1	3	*3,275
Blacksmith and Machinist.....	1	3	10,000
Groceries and Dry Goods.....	2	6	22,000
Blacksmiths.....	1	2	3,000
Hotels.....	5	20	43,000
Notions.....	1	2	2,000
Meat Markets.....	2	4	15,000
Millinery.....	1	3	3,000
Stationery and Books.....	1	2	3,000
Harness and Saddle.....	2	7	25,000
Brick yards.....	3	13	33,000
Physicians' offices.....	2	4	16,000
Law offices.....	1	1	15,000
Insurance and Land offices.....	3	6	40,000
Architects and Builders.....	2	5	13,000
Contractors.....	1	4	15,000
Chicken Fancier.....	1	2	5,000
Not enumerated.....	14	21	40,000
Total.....	60	154	\$589,275

* Two months' business.

BANKING.

Number of private banks..... 1

ELEVATOR BUSINESS.

Number of Elevators..... 1
 Capacity of Elevators, bushels..... 110,000
 Number of Men Employed..... 3
 Bushels of Grain stored during the year, only running three months.... 100,000

FREIGHTS RECEIVED AND SHIPPED.

By what Railway or Steamboat Line.	Imports.	Exports.
	<i>Pounds.</i>	<i>Pounds.</i>
Grandin Line Steamers.....	12,000,000	24,000,000
W. H. Davy.....	1,200,000	220,000
Flat Boats, Bruns & Finkle.....		1,890,000
Flat Boats, Clarke & McClure.....	247,000	2,000,000
Flat Boats, ran out.....		10,000,000
Northern Pacific Railway.....	15,096,860	27,159,060

Mankato, Blue Earth County.

WHOLESALE HOUSES.

	Number of Houses.	Number of Persons Employed.	Amount of Sales for the year.
Booksellers, Stationers.....	1	3	\$ 37,500
Butter	1	4	100,000
Cigars and Tobacco.....	2	7	20,000
Crackers	1	4	10,000
Crockery and Glassware	1	3	8,000
Drugs	1	4	10,000
Dry Goods.....	3	13	100,000
Flour (mills alone)	3	20	200,000
Fruits, foreign and domestic, (apples) .	2	5	20,000
Grain .....	..	..	160,000
Groceries	1	3	50,000
Hides, Pelts, &c	1	3	15,000
Lime, Plaster and Cement.....	2	9	10,000
Lumber, Lath and Shingles	3	7	40,000
Oils, Kerosene	1	2	9,000
Pork Packers	2	6	8,000
Roots gathered in Minnesota, ginseng.	1	2	9,000
Sewing Machines	1	2	5,000
Wines and Liquors.....	2	4	70,000
Totals.....	29	101	\$881,500

MANUFACTURES.

	Number of Manufac- tories.	Numbe of persons Employed.	Value of Products.
Agricultural Implements, Plows.....	2	12	\$ 11,000
Boilers	1	2	3,000
Blank Books.....	1	2	500
Boots and Shoes	7	28	40,000
Breweries	4	21	35,000
Bricks	2	40	36,000
Brooms	1	2	1,200
Carriages and Wagons	7	30	30,000
Cigars	2	7	20,000
Clothing	7	14	25,000
Confectionery	1	3	1,200
Crackers	1	4	10,000
Coopers	5	16	12,000
Flour	3	20	200,000
Foundries	1	2	15,000
Furniture	2	9	12,000
Harness	5	16	25,000
Jewelers	1	2	1,000
Machinists	2	7	12,000
Malt	4	6	6,000
Marble	2	7	18,000
Millinery	3	10	9,000
Newspapers and Job Printing....	4	15	17,000
Planing Mills.....	1	9	42,000
Pop and Ginger Ale.....	1	4	7,000
Pork Packers.....	2	6	8,000
Tin and Sheet Iron....	4	20	15,000
Not enumerated	24	80	195,000
Linseed Oil and Oil Cake.	1	10	200,000
Totals.....	102	404	\$1,006,900

RETAIL HOUSES.

	Number of Houses.	Number of Persons Employed.	Whole am't of Sales During Y'r.
Flour and Feed	3	10	\$ 75,000
Meats.....	7	22	80,000
Groceries....	30	85	300,000
Lumber, Lime and Cement.....	3	7	55,000
Furniture.....	4	13	30,000
Sewing Machines.....	3	7	12,000
Books and Stationery.....	2	5	15,000
Beer and Liquors.....	35	70	40,000
Fruit and Confectionery.....	6	15	25,000
Bread and Crackers	4	12	8,000
Dry Goods.....	17	55	350,000
Clothing.....	7	14	120,000
Boots and Shoes.....	8	30	80,000
Hardware	8	26	120,000
Carriages, Wagons and Sleighs.....	8	34	68,000
Harness	5	16	30,000
Marble Workers.....	2	7	18,000
Barrels and Kegs.....	5	16	12,000
Pumps.....	2	5	6,000
Drugs and Medicines	5	14	50,000
Jewelry, Clocks and Watches.....	3	5	6,000
Crockery and Glassware.....	1	3	7,000
Musical Instruments.....	2	6	20,000
Millinery	3	10	12,000
Photographs.....	2	5	5,000
Miscellaneous.....	15	30	20,000
Total	190	522	\$1,564,000

BANKING.

Number of National Banks.....	2
Number of Private Banks.....	1

ELEVATOR BUSINESS.

Number of Elevators.....	2
Capacity of Elevators (bushels)	90,000
Number of Men Employed	4
Bushels of Grain stored during the year	500,000

Red Wing, Goodhue County.

RETAIL HOUSES.

	Number of Houses.	Number of Persons Employed.	Amount of Sales for the year.
Agricultural Implements.....	3	13	62,944
Beer	4	15	33,600
Booksellers, Stationers.....	2	7	40,000
Boots and Shoes, retail.....	5	17	43,500
Confectioners and Restaurants.....	2	6	20,000
Crockery and Glassware	1	1	2,500
Clothing	5	13	99,000
Drugs	4	10	55,000
Dry Goods.....	15	46	349,700
Groceries	15	34	289,000
Grocers, wholesale.....	3	14	270,000
Hardware	5	33	255,000
Harness.....	5	15	22,000
Millinery.....	2	9	8,000
Sewing Machines.....	3	4	7,800
Watches and Jewelry.....	5	8	28,000
Wines and Liquors, wholesale.....	1	4	60,000
Meat Markets.....	5	19	89,000
Veterinary Surgeons.....	2	4	4,000

MANUFACTURES.

	Number of Manufac- tories.	Number of Persons Employed.	Value of Products.
Boots and Shoes.....	1	100	300,000
Bricks.....	1	.....	20,000
Carriages and Wagons, Sleighs, &c...	6	47	49,750
Cigars.....	2	9	11,000
Coopers.....	2	80	82,000
Flour.....	3	85	1,284,985
Foundries.....	1	14	14,500
Furniture	4	29	53,000
Guns	1	1	3,000
Marble.....	1	7	8,000
Newspapers	6	23	23,000
Pumps, dealer in.....	1	2	2,000
Lumber, Lath, Shingles, Doors, Sash..	4	148	275,000
General repairing	1	2	1,200
Tailors.....	5	18	24,000
Pottery, stoneware.....	1	10	21,840
Painters.....	4	35	34,500
Lime, Plaster, Cement, Stone &c.....	3	90	65,000

BANKING.

Number of National Banks.....	1
Number of Private Banks.....	2
Average daily deposits.....	\$342,928
Average daily discounts.....	426,869
Exchange sold.....	3,253,609
The exchange sold covers the year up to date, Dec. 24th, 1878.	

ELEVATOR BUSINESS.

Number of Warehouses.....	8
Capacity of Elevators, bushels.....	505,000
Number of Men employed.....	18
Bushels of grain stored during the year, bushels.....	1,500,000

This does not include the elevators attached to the three flouring mills, the total capacity of which is about 120,000 bushels.

FREIGHTS RECEIVED AND SHIPPED.

By what Railway or Steamboat Line.	Exports.
Diamond Jo Line.....	650,000 pounds.
Keokuk & Northern Line Packet Company.....	32,595 bushels wheat.
	30,000 bushels barley.
	3,500 barrels flour.
	10 car loads wagon wood.
C., M. & St. P. Ry. Co—	
In Freights and Tickets, \$100,000	
Out Freights and Tickets, 200,000	
Wheat, Aug '77 to Aug '78, bu. 550,000	
Flour, Aug '77 to Aug '78, bu. 1,260,000	112,654,445

City of Stillwater, Washington County.

WHOLESALE HOUSES.

	Number of Houses.	Number of Persons Employed.	Amount of Sales for the year.
Agricultural Implements.....	3	415	\$ 670,000
Cigars and Tobacco.....	2	8	67,675
Coal.....	1	5	12,000
Fruits, Foreign and Domestic	3	5	8,500
Hides, Pelts, &c.....	2	5	14,000
Lime, Plaster and Cement.....	2	4	6,690
Lumber, Lath and Shingles	7	900	1,063,243
Oysters and Fish.....	3	4	4,000
Salt.....	1	2	6,000
Wines and Liquors.....	2	5	30,000
Log Commission	2	.....	455,000
Log Towing	7	196	138,000
Totals.....	35	1,549	\$2,475,103

MANUFACTURES.

	Number of Manufac- tories.	Number of Persons Employed.	Value of Products.
Agricultural Implements.....	1	400	\$650,000
Blank Books.....	1	1	1,000
Breweries.....	2	12	30,000
Bricks.....	2	8	10,000
Carriages and Wagons.....	3	9	10,000
Coopers	1	40	75,000
Flour	3	68	606,540
Foundries	3	100	165,000
Harness	5	20	90,000
Newspapers	3	16	18,000
Planing Mills.....	3	34	45,000
Pork Packers	1	3	10,000
Sash, Doors and Blinds	3	41	90,000
Tin and Sheet Iron.....	3	14	39,000
Log Driving	29	1,689	1,111,700
Boom Company.....	1	300	75,000
Totals.....	64	3,255	\$3,026,240

RETAIL.

	Number of Houses.	Number of Persons Employed.	Whole am't of Sales during year.
Books and Stationers	2	3	\$14,000
Boots and Shoes	9	19	82,000
Clothing and Merchant Tailors	7	17	105,000
Confectionery, Cigars, Fruit, &c.	13	20	42,000
Drugs, &c.	3	8	37,000
Dry Goods	3	15	95,000
Furniture	3	10	10,000
General Stores	5	21	324,609
Groceries	4	14	147,000
Hardware	2	9	75,000
Jewelers	3	6	27,000
Marble	1	2	4,000
Meat Markets	4	15	108,000
Millinery	5	15	6,000
Photograph Galleries	2	4	6,613
Sewing Machines	2	.....	3,000
Saloons	19	13	27,000
Restaurants	4	13	15,260
Livery Stables	6	20	38,880
Hotels	6	50	.....
Totals	103	296	\$1,167,362

The number of persons employed is apparantly larger than facts warrant. Lumber-mill men are, to a large extent, loggers during the winter. In other business it has been necessary to enumerate the men twice, as they are differently engaged at different seasons. Steamboat men, and men employed by the Boom Company, either find other employment here or go out of the city, except during the seasons for their work. Numbers of the smallest establishments are necessarily omitted.

BANKING.

Number of National Banks'	2
Average Daily Deposits (of one)	\$ 8,156
Average Daily Discounts (of one)	4,943
Exchange Sold	3,474,162

We give only the average daily discounts and deposits of one bank above, as we understand you want them given. The other bank reports are average daily credit balance to their deposit account of \$178,000; and carry discounts to the amount of \$305,000. Taking these figures as a basis, the yearly business of our banks foot \$12,257,164.

ELEVATOR BUSINESS.

Number of Elevators	1
Capacity of Elevators.....	40,000
Number of Men Employed	20
Bushels of Grain stored during the year.....	381,434

FREIGHTS RECEIVED AND SHIPPED.

By what Railway or Steamboat Line.	Imports.	Exports.
	<i>Pounds.</i>	<i>Pounds.</i>
S. P., Stillwater & Taylor's Falls R. R.	29,220,000	57,240,000
St. Paul & Duluth R. R.....	30,467,250	68,668,505
St. Croix Up River Packet Lines.....	8,000,000	4,000,000

City of Hastings, Dakota County.

WHOLESALE AND RETAIL HOUSES.

	Number of Houses.	Number of Persons Employed.	Amount of Sales for the Year.
Agricultural Implements.....	4	14	\$181,434
Booksellers and Stationers	2	6	22,750
Boots and Shoes.....	3	4	24,300
Cigars and Tobacco.....	1	1	4,000
Coal	2	2	9,850
Confectioners	2	3	3,500
Drugs.....	3	6	26,500
Dry Goods and General Merchandise..	5	23	213,338
Flour (mills alone).....	3	24	40,500
Furniture.....	3	3	14,500
Groceries.....	10	25	329,444
Hardware	4	13	59,300
Lime, Plaster and Cement.....	1	1	1,700
Lumber, Lath and Shingles	2	73	101,948
Millinery.....	3	4	8,000
Saddlery Hardware.....	1	2	15,500
Sash, Doors and Blinds.....	2	2	4,000
Seeds	3	3	1,990
Sewing Machines... ..	4	4	3,000
Watches and Jewelery.....	2	2	8,000
News Depot.....	1	2	4,500
Total.....	61	217	\$1,248,054

MANUFACTURES.

	Number of Manufac- tories.	Number of Persons Employed.	Value of Products.
Agricultural Implements.....	2	8	\$16,500
Boots and Shoes.....	6	14	12,500
Breweries.....	2	10	15,300
Bricks.....	2	16	8,300
Carriages and Wagons.....	6	26	30,500
Clothing.....	4	8	6,000
Coopers.....	3	20	20,500
Flour.....	3	24	190,000
Foundries and Machinists.....	3	6	9,100
Furniture.....	3	13	14,500
Guns.....	1	1	3,000
Harness.....	3	6	9,500
Marble.....	1	3	3,500
Millinery.....	4	41	4,000
Planing Mills.....	1	3	1,500
Pop and Ginger Ale.....	1	2	2,800
Printers, Book, Job and Newspapers..	3	11	10,262
Sash, Doors and Blinds.....	1	2	3,000
Total.....	49	187	\$360,672

BANKING.

Number of National Banks.....	1
Number of Private Banks.....	1
Average Daily Deposits.....	\$186,533 10
Average Daily Discounts.....	246,833 33
Exchange Sold.....	2,210,762 66

ELEVATOR BUSINESS.

Number of Elevators.....	8
Capacity of Elevators, bushels.....	500,000
Number of Men employed.....	30
Bushels of Grain stored during the year.....	1,050,000

FREIGHTS RECEIVED AND SHIPPED.

By what Railway or Steamboat Line.	Imports.	Exports.
	<i>Pounds.</i>	<i>Pounds.</i>
Chicago, Milwaukee & St. Paul R. R..	32,000,000	50,000,000
Keokuk Northern Packet Line... ..		6,000,000

Delano, Wright County.

MANUFACTURES.

	Number of Manufac- tories.	Number of Persons Employed.	Value of Products.
Carriage.....	2	4	\$6,000
Tin.....	1	2	1,000
Bed spring.....	1	2	2,000

RETAIL.

	Number of Houses.	Number of Persons Employed.	Whole Am't of Sales during year.
Grocery and Dry Goods.....	10	25	\$100,000

ELEVATOR BUSINESS.

Number of Elevators	1
Capacity of Elevators.....	6,000
Number of men employed	2
Bushels of grain stored during the year	42,366

Sauk Centre, Stearns County.

RETAIL HOUSES.

	Number of Houses.	Number of Persons Employed.	Amount of Sales for the year.
Dry Goods and Groceries.....	9	20	\$190,000
Notions.....	1	3	2,500
Flour, Feed and Groceries.....	1	2	10,000
Hardware.....	2	5	30,000
Lumber.....	2	2	30,000
Drugs and Medicines.....	2	4	19,000
Millinery.....	1	5	1,000
Furniture.....	1	2	15,000
Saddlery.....	1	4	7,000
Agricultural Implements.....	2	8	27,000
Printing.....	1	3	3,000
Butchers.....	2	7	15,000
Boots and Shoes.....	1	3	3,000
Watches and Jewelry.....	1	1	1,500
Tobacco and Groceries.....	1	1	5,000
Boots and Shoes and Groceries.....	1	2	1,500

MANUFACTURES.

	Number of Manufac- tories.	Number of Persons Employed.	Capacity. Per Day.
Steam Flour Mill.....	1	20	125 bbls.
Water Power Flour Mill.....	1	15	100 bbls.

BANKING.

Number of Private Banks.....	1
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ELEVATOR BUSINESS.

Number of Elevators.....	3
Capacity of Elevators, bushels.....	40,000 to 50,000
Number of Men Employed.....	6
Bushels of grain stored during the year, bushels.....	97,000

Henderson, Sibley County,

MANUFACTURES.

	Number of Manufac- tories.	Number of Persons Employed.	Value of Products.
Lumber and Furniture.....	1	7	\$10,000
Furniture.....	2	4	5,000
Flour Mill.....	1	20	100,000
Tailor Shop.....	1	3	5,000
Harness Shop.....	2	4	5,500
Wagons and Carriages.....	2	3	3,500
Machine Shop.....	1	4	7,000
Total.....	10	35	\$136,000

RETAIL.

	Number of Houses.	Number of Persons Employed.	Whole am't of Sales during year.
Boot and Shoe Stores.....	3	5	\$8,500
General Stores.....	7	16	110,000
Drugs and Medicines.....	2	4	13,000
Millinery Stores.....	3	4	2,800
Staple and Fancy Groceries.....	2	2	7,000
Total.....	17	31	\$154,300

BANKING.

Number of Private Banks.....	1
Average Daily Deposits.....	\$500 00
Average Daily Discounts.....	300 00
Exchange Sold, average per day.....	100 00

ELEVATOR BUSINESS.

Number of Elevators.....	3
Capacity of Elevators, bushels.....	70,000
Number of Men Employed.....	6
Bushels of grain stored during the year.....	350,000

FREIGHTS RECEIVED AND SHIPPED.

By what Railway or Steamboat Line.	Imports.	Exports.
	<i>Pounds.</i>	<i>Pounds.</i>
St. Paul & Sioux City.....	.....	5,000,000
St. Paul & Sioux City.....	2,000,000	.....
St. Paul & Sioux City.....	.....	3,500,000

Elk River, Sherburne County.

MANUFACTURES.

	Number of Manufac- tories.	Number of Persons Employed.	Value of Products.
Furniture Manufacture.....	1	10	\$8,000
*Flouring Mill.....	1	20	.....
Harnessmaker.....	1	1	1,000
Boot and Shoe Manufacture.....	2	2	3,000

*Capacity of mill, 100 barrels of flour per day.

RETAIL.

	Number of Houses.	Number of Persons Employed.	Whole Am't of Sales during year.
General Store.....	2	5	\$45,000
Drug Stores.....	2	2	3,000
Millinery Stores.....	2	4	2,000
Hardware and Tin.....	1	1	2,000
Furniture Stores.....	2	4	4,500

FREIGHTS RECEIVED AND SHIPPED.

By what Railway or Steamboat line.	Imports.	Exports.
St. Paul & Pacific Railroad	<i>Tons.</i> 700	<i>Tons.</i> 2,000

St. Charles, Winona County.

MANUFACTURES.

	Number of Manufac- tories.	Number of Persons Employed.	Value of Products.
Carriage and Wagon Factory.....	1	16	\$50,000 50
Brewery.....	1	6	15,000 00
Cigar Factory.....	2	5	3,000 00
Totals.....	4	26	\$68,500 50

RETAIL.

	Number of Houses.	Number of Persons Employed.	Whole A'mt of Sales during Year.
General Merchandise.....	8	16	\$111,000
Hardware.....	2	7	36,000
Groceries and Provisions.....	5	7	27,000
Boots and Shoes.....	2	6	19,000
Drugs and Groceries.....	1	3	10,000
Drugs.....	3	6	18,000
Harness Shops.....	3	7	12,000
Millinery Shops.....	3	10	10,000
Clothing.....	2	4	6,000
Bakery.....	1	2	2,000
Confectionery.....	1	1	500
Totals.....	31	69	\$250,500

BANKING.

Number of Private Banks.....	1
Average Daily Deposits, probably.....	\$100
Average Daily Discounts, “.....	\$25
Exchange sold per annum, “.....	\$20,000

ELEVATOR BUSINESS.

Number of Elevators.....	4
Capacity of Elevators, bushels.....	45,500
Number of Men Employed.....	8
Bushels of Grain Stored During the year.....	50,000

FREIGHT RECEIVED AND SHIPPED.

Amount of wheat shipped from this station per annum, via C. & N. W.

R. R., Minnesota Division.....400,000

Rushford, Fillmore County.

WHOLESALE.

	Number of Houses.	Number of Persons Employed.	Amount of Sales for the year.
Beer	1	3	\$ 2,000
Flour (mills alone).....	3	50	400,000
Grain.....	4	15	600,000
Wagons.....	1	30	75,000
Total.....	9	98	\$1,075,000

MANUFACTURES.

	Number of Manufac- tories.	Number of Persons Employed.	Value of Products.
Agricultural Implements.....	2	5	\$4,000
Boots and Shoes.....	3	15	9,000
Carriages and Wagons.....	2	40	90,000
Coopers.....	2	80	36,000
Flour.....	3	55	450,000
Foundries	1	5	9,000
Harness.....	2	5	10,000
Machinists.....	3	6	10,000
Newspapers	1	2	2,500
Pop and Ginger Ale.....	1	2	1,500
Pork Packers.....	1	2	5,000
Tin and Sheet Iron.....	2	3	5,000
Total	23	170	\$632,000

RETAIL.

	Number of Houses.	Number of Persons Employed.	Whole am't of Sales during year.
Grocery Stores.....	4	8	\$35,000
Dry Goods.....	6	24	95,000
Hardware.....	2	6	40,000
Millinery.....	3	10	20,000
Dress Making.....	2	6	10,000
Saloons.....	4	8	10,000
Boots and Shoes.....	2	5	15,000
Yankee Notions.....	2	4	8,000
Drugs and Medicines.....	2	6	20,000
Confectionery.....	4	6	15,000
All Others.....	10	12	30,000
Total.....	41	95	\$298,000

BANKING

Number of Private Banks.....	1
Average Daily Deposits.....	\$2,000
Average Daily Discounts.....	1,000
Exchange Sold.....	1,000

ELEVATOR BUSINESS.

Number of Elevators.....	1
Capacity of Elevators, bushels.....	15,000
Number of Men Employed.....	2
Bushels of grain stored during the year.....	100,000

FREIGHTS RECEIVED AND SHIPPED.

By what Railway or Steamboat Line.	Imports	Exports.
	<i>Pounds.</i>	<i>Pounds.</i>
Southern Minnesota Railway.....	4,000,000	9,000,000

LOGS AND LUMBER.

SURVEYOR GENERAL'S OFFICE,
MINNEAPOLIS, MINN., Dec. 26th, 1878. }

John P. Jacobson, Commissioner of Statistics, St. Paul, Minn.:

DEAR SIR:—I submit you the following for the year 1878:

	LOGS SCALED.		LOGS SAWED.	MANUFACTURED.			Carried over.
	Logs.	Feet.	Feet.	Lumber.	Lath.	Shingles.	Feet.
Minneapolis..	620,660	99,456,000	105,731,480	111,697,220	16,403,750	36,902,000	4,000,000
Above Minne- apolis.....	2,000	237,110	.....	.....	.....	.....	15,500,000
Anoka.....	13,485	2,340,060	27,706,820	29,472,280	5,649,450	10,226,000	1,475,730
St. Cloud.....	896	165,580	3,262,500	3,500,000	1,500,000	1,000,000	.....
Dayton.....	.....	.....	Pine. H'dw'd Bass.	100,000	.....	.....	.....
Princeton.....	.....	.....		100,000	.....	.....	.....
New Y'k Mills	.....	.....		200,000	.....	.....	.....
Frazee City...	.....	.....		250,000	.....	.....	.....
Orono.....	1,144	221,290	225,000	400,000	.....	.....	.....
Elk River.....	330	59,480	1,500,000	1,650,000	450,000	1,200,000	.....
Motley.....	.....	.....	270,000	300,000	100,000	.....	.....
Perham.....	.....	.....	284,730	300,000	125,000	131,000	.....
.....	.....	.....	1,100,000	1,150,000	.....	75,000	.....
.....	.....	.....	540,000	600,000	.....	.....	.....
Totals.....	638,515	102,479,520	141,380,530	149,759,500	24,228,200	49,534,000	20,975,730

GEO. A. BRACKETT,

Sur. Gen'l 2d Dist. Minn.

By Levering, Deputy.

STILLWATER, MINN., Nov. 25, 1878.

John P. Jacobson, Esq., Commissioner of Statistics.

DEAR SIR:—I have the honor to herewith present a report of the amount of logs scaled in this district during the season of 1878.

	Feet.
Amount scaled at Stillwater.....	134,808,196
Estimated amount consumed and not scaled.....	2,525,308
Total amount at Stillwater.....	137,333,504
Amount scaled at Pine City.....	2,298,908
“ “ Marine.....	1,905,115
“ “ Franconia.....	32,603
Total.....	141,565,130

In addition to the above there were scaled at Hudson, Wis., by us, 876,267 feet.

Very respectfully yours.

Z. W. CHASE,

Surveyor General.

U. S. INTERNAL REVENUE.

IN MINNESOTA.

FIRST DISTRICT.

	Number of in District.	Amount of special tax from May 1st, 1877, to May 1st, 1878,	Amount produced from January 1st, 1877, to January 1st, 1878.		Amount of stamps sold from January 1st, 1877, to January 1st, 1878.
			Cigars.	Packag's	
Cigar Manufactories.....	55	.....	1,654,920	.....	\$13,537 50
Breweries.....	70	4,029	.....	.....	31,896 05
Rectifiers.....	1	200	.....	453	41 00
Wholesale Liquor Dealers.....	8	876	.....	.....	130 00
Wholesale Malt Liquor Dealers.....	1	44	.....	.....	.....
Retail Malt Liquor Dealers.....	49	915	.....	.....	.....
Retail Liquor Dealers.....	1,007	20,012	.....	.....	.....
Dealers in Manufactured Tobacco.	2,389	9,709	.....	.....	.....

SPECIAL TAXES PAID FROM MAY 1, 1877, TO MAY, 1, 1878, 2ND DISTRICT MINNESOTA.

Dealers in Manufactured Tobacco.....	\$13,076 34
Manufacturers of Cigars.....	599 17
Pedlars of Manufactured Tobacco	77 92
Retail Liquor Dealers	29,845 75
Wholesale Liquor Dealers:	3,616 66
Retail Dealers in Malt Liquor.....	1,555 00
Wholesale Dealers in Malt Liquor.....	583 34
Rectifiers	2,000 33
Brewers of less than 500 barrels a year.....	1,650 00
Brewers of more than 500 barrels a year	4,158 33
Sale of Tobacco Stamps	436 92
Sale of Spirit Stamps	1,243 80
Tax on Cigars, \$6 per thousand	29,078 75
Tax on Beer, \$1 per Barrel	66,779 35
Bank taxes and Penalties	18,321 72
	\$173,023 38

BANKS AND BANKING.

Through the courtesy of Hon. H. M. Knox, Public Examiner, I am enabled to present the following in regard to Banks and Banking in the State:

The statistics of the National Banks are taken from the report of the Comptroller of the Currency (Dec. 2, 1878) according to statements made by the banks on October 1, 1878. Those of private bankers are from Homans' "Bankers' Almanac and Register" for 1878, the data being for 1877.

The whole number of banks in the State, as ascertained from these sources, is:

Savings Associations.....	8
State Banks.....	13
National Banks.....	31
Private Banks.....	50
Total.....	102

The total amount of capital and surplus reported, is:

	<i>Capital.</i>	<i>Surplus.</i>
4 Savings Banks with Capital.....	\$125,679 37	\$11,000 00
13 State Banks.....	1,060,400 00	51,362 00
31 National Banks.....	4,770,000 00	779,283 93
10 Private Banks Report.....	530,000 00	.....
58 Banks. Total.....	\$6,486,079 37	\$851,645 93

The total amount of deposits and loans (no report of private banks), is:

	<i>Deposits.</i>	<i>Loans.</i>
8 Savings Banks.....	\$645,528 10	\$674,952 66
13 State Banks....	1,647,775 51	2,256,712 99
31 National Banks.....	6,496,486 95	9,982,572 39
52 Banks. Total	\$8,789,790 56	\$12,914,238 04

WEALTH AND TAXATION.

SCHOOL FUND, SCHOOL LANDS, WEALTH, TAXATION AND INDEBTIDNESS.

Abstract from State Auditor's report.

Taxable value of real property in Minnesota in 1878.....	\$183,833,854 00
Taxable value of personal property in Minnesota in 1878, (ex- emptions being deducted)....	56,220,460 00
Total.....	\$240,054,314 00

Rate of taxation upon this amount for State and School purposes,
seven (7) mills.

Amount of School fund invested in land contracts.....	\$2,321,356 34
Amount of School funds invested in bonds.....	1,534,246 92
Amount of School fund invested in drafts on county treasurers.....	1,077 82
Amount of School fund in cash.....	2,882 43
Total.....	\$3,859,963 51

Value of Property Exempt from Taxation.

Value of church property.....	\$ 2,475,684 00
Value of school property.....	2,167,144 00
Value of public property.....	2,563,225 00
Total.....	\$ 7,206,050 00

INDEBTEDNESS.

	Bonded.	Floating.	Total.
State.....	\$ 500,000	\$ 122,000	\$ 622,000
County.....	783,096	85,231	868,327
City and Town.....	3,591,689	222,072	3,813,761
School District.....	532,632	57,517	590,149
Total.....	\$ 5,407,417	\$ 486,820	\$ 5,894,237

PERSONAL PROPERTY, 1878.

	Number.	Value.
Persons assessed, exclusive of firms.....	105,062	.....
Horses under 3 years old.....	39,672	\$191,306
Horses over 3 years old.....	165,319	10,836,758
Cattle under 2 years old.....	154,462	916,201
Cows.....	258,713	3,847,562
All other cattle.....	123,319	2,448,665
Mules and asses.....	6,700	500,314
Sheep.....	204,843	303,283
Hogs.....	216,500	447,827
Wagons and carriages.....	85,611	2,184,026
Sewing and knitting machines.....	29,504	443,884
Watches and clocks.....	53,085	307,482
Melodeons and organs.....	5,158	242,606
Pianos.....	2,697	321,627
Household and office furniture.....		3,024,139
Agricultural machinery.....		2,913,508
Gold and silver plate.....		48,572
Diamonds and jewelry.....		28,132
Franchises and annuities.....		64,794
Steamboats and sailing vessels.....		77,474
Goods and merchandise.....		7,047,801
Material and manufactures.....		1,306,888
Manufactures tools and machinery.....		637,112
Moneys of bonds and bankers.....		354,060
Credits of banks and bankers.....		248,144
Moneys other than bankers.....		1,748,406
Credits other than bankers.....		6,175,793
Bonds and stocks.....		498,998
National bank stock.....		5,158,534
Capital of foreign companies.....		14,801
Stock and furniture of saloons and eating houses.....		127,044
All other property not included in foregoing....		1,645,740
Railroad elevators, warehouses, etc., on railroad lands.....		281,844
Improvements on lands of homestead settlers....		832,849
Total value of personal property as equalized by State board, (including amounts exempted by law from taxation).....		\$56,226,174

POPULATION 1878.

PLACED UPON THE BASIS OF THE CENSUS OF 1875.

The following is an approximate estimate, to-wit:

Natives of Minnesota.....	240,326
Natives of other States.....	204,422
Natives of Ireland.....	26,237
Natives of Germanic States.....	79,333
Natives of Norway.....	62,362
Natives of Sweden.....	35,777
Natives of British Provinces.....	21,777
Natives of England and Wales.....	9,333
Natives of other countries and unknown.....	20,533
Total.....	700,000

INDUSTRIAL AND SOCIAL STATISTICS.

The collection and compilation of the statistics of all departments of labor in which the people of the state are engaged, and the relations which these bear to each other and to the aggregated commercial and manufacturing interests of the state, as contemplated by a law passed last winter, would certainly constitute a useful and important work. It would necessarily embrace a complete classification of all the industries in which the entire population is engaged and show their respective conditions with sufficient clearness to greatly facilitate legislation for the promotion of the general welfare. The desirableness of such a system is obvious, but its inauguration can only be effected gradually, unless at an expense which the promised advantages would be insufficient to justify. A complete enumeration or census of the people would be necessary in the beginning, and afterwards that local officers should keep records showing the increase or depletion of the several classes by whatever cause they might be occasioned.

The same object may be accomplished gradually, it is believed, at comparatively small expense, and at a not very distant day in the future, if the officer in charge of this bureau, when the United States census, is next taken shall avail himself of the information to be obtained thence for the perfection of such complete system. During the past year the Commissioner has devoted as much time and attention to this subject as the duties of his office permitted. As is elsewhere stated, blanks were sent to town clerks and county auditors throughout the state, and to officers of cities and boards of trade, with the hope that sufficient information might be thus obtained for such imperfect classification of employments as would give an approximate idea of their relative importance.

It has been desired to give, as fully as possible, the number of persons engaged in each avocation, the capital invested, the worth of products, the value of business transacted annually and the ave-

rage wages paid employees. The reports from the several counties and cities, which are published in the following pages, show how nearly this purpose was achieved. It should be born in mind, however, that the matter was entirely new to those of whom the inquiries were made, and while many did not appreciate the importance of the information, others, probably, did not know whence to attain it.

Besides the officers mentioned above every other available source of information was drawn upon by the Commissioner, and the following tables of trades, industries and professions will enable the reader to form an idea of the proportions of the population engaged in each of the several occupations. It is not pretended, however, that this classification is correct, nor is it practicable to arrive at the exact truth for several reasons, one being the circumstance that a considerable number of individuals pursue more than one calling, which is especially the case in newly settled communities where the demand for labor in one department is inconstant. It is hoped and believed that what has been done during the year in this branch of the statistics will greatly facilitate future efforts in the same direction; that the people will acquire a better understanding of the sort of information desired and the use to which it is applicable, and that this will increase their willingness to furnish it and at the same time, tend to secure more definiteness and accuracy; and these advantages will probably improve with every passing year until the desired degree of completeness and perfection is attained.

The same conditions exist respecting the social statistics, but it is already observable that these may be more fully obtained each succeeding year, by the methods which have been hitherto pursued. The federal census will, no doubt, greatly facilitate this process, if properly used, and there is little room for doubt, that, in the early future, the reports of this bureau may be made to show the actual condition of the entire population of the state, and that the advancement made in material prosperity, social advantages and moral elevation may be annually noted with sufficient accuracy for all useful purposes.

GENERAL INDUSTRIAL INTERESTS.

The following table shows the number of business houses, manufacturing establishments, railroads and farms in the State on June 1st, 1878:

BUSINESS HOUSES.	No. of Whole- sale houses.	No. of Retail houses.	TRADES AND MANUFACTORIES.	
Agricultural Implements.....		237	Agricultural Implements.....	18
Boilers, steam.....		1	Baking Powder.....	3
Booksellers, Stationers.....	2	80	Boilers.....	6
Boots and Shoes.....	4	210	Blank Books.....	15
Brewers' supplies.....			Boot and Shoemakers.....	275
Brooms.....		1	Boxes.....	10
Butter.....		16	Breweries.....	69
Carpets.....	1	7	Bricks.....	30
Cigars and Tobacco.....	14	46	Brooms.....	11
Coal and Wood.....		41	Brushes.....	3
Commission Merchants.....		50	Carriages and Wagons.....	352
Confectioners.....	7	128	Cement Pipe.....	
Crackers.....		1	Cigars.....	56
Crockery and Glassware.....	3	9	Clothing.....	161
Clothing.....	3	101	Confectioners and Bakers.....	70
Drugs.....	5	280	Copper and Brass.....	
Dry Goods.....	2	123	Crackers.....	3
Flour and Feed.....		74	Coffee and Spices.....	4
Fruits, foreign and domestic.....	8	23	Coopers.....	56
Furniture.....		177	Dried Beef (sliced).....	1
Grain.....		163	Drugs, &c.....	
Groceries.....	15	535	Engravers.....	5
Gloves.....		18	Engines and Cars.....	2
Hardware and Stoves.....	8	268	Flour Mills.....	417
Harness.....		4	Foundries.....	52
Hats, Caps and Furs.....	4	15	Furs.....	5
Hides, Pelts, &c.....		15	Furniture.....	28
Iron, Steel, &c.....		2	Gunsmiths.....	31
Leather and Shoe Findings.....		8	Harness.....	228
Lime, Plaster and Cement.....	1	18	Hat Bleachers.....	1
Looking Glass Plates.....		1	Jewelers.....	3
Lumber, Lath and Shingles.....		196	Lithographers.....	4
Mill Machinery and Railroad Supplies.....		33	Machinists.....	45
Millinery.....	5	193	Malt.....	
Oils.....	3	13	Marble.....	31
Oysters and Fish.....	2	4	Millinery.....	3
Photograph Galleries.....		90	Newspapers.....	127
Pork Packers.....			Planing Mills.....	34
Pianos and Organs.....		20	Pop and Ginger Ale Bottlers.....	7
Printer's Materials.....		2	Pork Packers.....	7
Roots, Herbs, &c.....	1		Printers, book and job.....	51
Saddlery Hardware.....	3	2	Roofing Material.....	
Seeds.....		5	Sash, Doors and Blinds.....	27
Sewing Machines.....		42	Saw Mills.....	202
Soap and Candles.....			Show Cases.....	2
Steam Heating Apparatus.....			Soap and Candles.....	4
Teas and Coffee.....	5	6	Shirts.....	11
Toys and Fancy Goods.....	1	27	Steam Heating.....	4
Trunks and Valises.....		1	Tin and Sheet Iron.....	27
Watches and Jewelry.....		149	Trunks and Valises.....	3
Wagons.....			Type Founder.....	1
Wines and Liquors.....	18	29	Vinegar.....	3
Not enumerated.....	14	3,776	Not enumerated.....	257
Elevators.....		51	Blacksmiths.....	707
General Stores.....		1,133	Carpenters.....	251
Professions.....		1,024	Total Trades and Manufactures.....	3,725
Banks.....		125	“ Business and Professions.....	9,573
			“ “ Wholesale.....	129
	129	9,573	Totals.....	13,427
			Farms.....	61,136
			Railroads.....	28

OCCUPATIONS AND WAGES.

The following gives the average price paid for labor, as nearly as could be ascertained, in the various trades and avocations represented by all the persons in the state working for wages:

	Wages per Day.	Wages per Month.		Wages per Day.	Wages per Month.
Agricultural Implem't maker			Horse Shoer	\$2 50	
Bakers		\$35 00	Hose carriage drivers		\$50 00
Barber		36 00	Hostler		30 00
Bartender		25 00	Housekeeper		20 00
Basket Makers		\$1 pr dz	Janitor		30 00
Bedstead Makers		26 00	Jeweler		40 00
Bill Collectors		1 pr ct.	Lamp Lighter		25 00
Blacksmiths	\$2 00		Lather	1 50	
Boiler Makers	2 00		Laundress		by p'ce
Book Binders		40 00	Laundryman		20 00
Box Makers	60		Lithographer		50 00
Brass Finishers	2 50		Locksmith	1 50	
Brass Moulder	2 50		Lumberman		
Brick Maker	1 25		Lumber Mill Operatives	1 35	
Brick Mason	2 00		Machinists	2 50	
Bridge Builders	1 75		Malt Maker		
Bridge Tenders	1 25		Marble Worker		25 00
Broom Makers	85		Market Man	1 25	
Butchers		10 00	Mason	2 00	
Cabinet Makers	1 50	1st cl'ss	*Messenger		12 00
Car Builders	1 75		Milkman		20 00
Carpenters	1 75		Miller		35 00
Carpet Upholsterer		30 00	Millwright	3 75	
Carriage Blacksmiths	2 00		Milliner		12 00
Carriage Makers	2 00		Musician	1 75	
Chair Makers	1 25		Nurse	1 00	
Cheese Makers		30 to 50	Nurseryman	1 00	
*Cigar Makers	60		Packer	1 75	
Civil Engineers		75 00	Painter, House	2 25	
Cloak Makers		14 00	Paper Mill Operatives	1 50	
Coachmen		36 00	Photographer	2 00	
Coal Heavers		25 00	Picture Frame Gilder	1 50	
Common Laborers	1 00		§Pile Drivers	2 00	
Cooks		25 00	Planing Mill Operatives	1 35	
Coopers		25 00	Plasterer	2 00	
Coppersmith	2 50		Plumber	2 00	
Copyist		35 00	Policeman		65 00
Domestic servant, male		20 00	Pork Packer	1 75	
Domestic servant, female		\$8 to 12	Porter		20 00
Dress Makers		12 00	Printer	2 25	
Draughtsman		75 00	Proof Reader	2 00	
Drivers (lee, grocery and other wagons)		20 00	Pump Maker	1 50	
Engineers, Locomotive and Marine, 1st Class	3 50		Quarryman	1 35	
Engineers, stationery	1 50		Railroad Employees.		
Engineers, steam fire		82 30	Baggage Masters		50 00
Engravers		40 00	Brakeman		45 00
†Expressmen	2 00		Car Inspector		37 50
Farm laborers		15 00	Check man		50 00
Fireman, locomotive	1 75		Engineer	3 50	1st cl'ss
Foundryman	1 75		Engine Wiper	1 10	
†Fur Dressers		13 00	Flagman		30 00
Furniture Makers	1 50		Fireman	1 75	
Gardener		30 00	Freight Agent		100 00
Glazier	2 00		Freight Conductor		75 00
Governess		10 00	Laborer	1 25	
Gunsmith	1 75		Section Master		35 00
Hackman		20 00	Signal Tender	1 10	
Harness Makers	1 00		Station Agent		\$35 to 45
Hod Carriers	1 25		Switchman	1 10	
			Trackman	1 00	
			Watchman		35 00

* Principally boys. † With horse. ‡ Principally females. § From \$10 to \$25 with board. ¶ Not steady—when at work.

OCCUPATIONS AND WAGES.—Continued.

	Wages per Day.	Wages per Month.		Wages per Day.	Wages per Month.
<i>Railway Employees, Horse.</i>			Stone Cutter.....	\$2 50	.....
<i>Conductors.....</i>			Stone Mason.....	2 00	.....
<i>*Drivers.....</i>		\$35 00	Surveyor.....		75 00
Reporters.....	2 50		Tailor.....		45 00
Roofer.....	2 00		Tailoress.....	1 00	.....
Saddler.....	1 25		Tanner.....	1 25	.....
Sash, Door and Blind			Teamster.....		35 00
Makers.....	\$1 50 to	1 10	Telegraph Operator.....		40 00
Sawyer.....	3 00		Telegraph Repairer.....	1 75	.....
Seamstress.....	50		Time Keeper.....		50 00
Sewing Machine Operator..	50		Tinsmith.....	1 50	.....
Sexton.....		30 00	Truckman.....	1 25	.....
Shirt Maker.....	50		Trunkmaker.....	1 25	.....
Shoemaker.....	1 25		Upholsterer.....	1 25	.....
Show Case Maker.....	1 75		Waiter.....		12 00
Silversmith.....		40 00	Watchman.....		35 00
Soap Maker.....		25 00	Water Pipe Layer.....	2 00	.....
Stage Driver.....		25 00	Well Digger.....	2 00	.....
Stair Builder.....	1 50		Wheelwright.....	1 50	.....
Steam and Gas Fitter.....	2 00		Whitewasher.....	1 25	.....
Stevedore.....	1 10		Wood Chopper.....		\$25 to 30
Steward.....		30 00	Woolen Factory Operatives	50c. to	\$1 25

* Works 17 hours.

FISH CULTURE.

It is admitted that the introduction of foreign fish to the lakes and streams of this State is yet an experiment, of which the most sanguine friends of the project are hardly prepared to positively affirm its permanent success. So far it seems to have worked well, as the following communication from Dr. R. O. Sweeney, chairman of the State Fish Commissioners, will show, and the prospect is certainly encouraging. A number of instances are cited of the fish having been caught, two or three years after their "planting," and found to be in a healthy and thriving condition, and many other instances of this sort might, no doubt, have been reported had efforts been made to gather such information. Still it is necessary that a few more seasons shall have elapsed before it can be definitely determined that the fish will flourish in our waters and multiply naturally.

Three varieties have thus far been experimented with extensively, namely, California Salmon, Lake or Land-locked Salmon and Brook Trout, and there appears to be no perceivable difference in the degree of success attending these. Recently, Lake Trout have been added to the other varieties, and their introduction seems to be equally practicable.

If continued success shall attend these experiments, of which there is now but little room to doubt, the benefit to the State must be generally realized to be far more than commensurate with the expense and trouble attending them. The presence of these fish in our waters, will add largely to the desirableness of a residence in Minnesota, in that they will afford an abundant supply of an almost universally esteemed and healthy article of food, while, at the same time, furnishing opportunities for a pastime in which most persons take more or less delight.

The following are the names of gentlemen who have made application for stocking waters in their counties and neighborhoods, in some instances coming to the hatcheries for the fish, and putting them into the waters designated. Most of the distributions, however, were made by Superintendent Watkins, who takes the young fish in cans to the nearest designated point and then delivering them to the applicant, who takes them to the lake or stream and there makes the plant.

This mode of distribution is necessarily slow, and unless the Commission employ a corps of carriers, will never be able to reach all the applicants each year. Some of them must always be disappointed, and this is our explanation and excuse to those who failed to receive any fish the past season. We worked at the distribution until the heat of the weather made the risk too great to be ventured upon further.

Applicant.	Water.	County.	Fish.	No.
Commissioners.....	Minnesota river.....	Blue Earth..	Calif. Salmon.	1,000
Wm. Baker.....	Sleepy Eye Lake.....	Brown.....	"	1,000
Wm. M. Murfin.....				
Chas. C. Brandt, Jr.....	Clear Lake.....	Brown.....	"	1,000
Chas. C. Brandt.....	Hansca Lake.....	Brown.....	"	1,000
J. Van Buskirk.....	Moose Lake.....	Carleton.....	"	1,000
A. M. Townsend.....	Bear Lake.....	Carleton.....	"	1,000
".....	Cub Lake.....	Carleton.....	"	1,000
".....	Moose-horn Lake.....	Carleton.....	"	1,000
H. H. Carver.....	Chubb Lake.....	Carleton.....	"	1,000
A. M. Townsend.....	Hanging Horn.....	Carleton.....	"	1,000
Commissioners.....	Fon du Lac, St. Louis R.....	Carleton.....	"	2,000
H. R. Denny.....	Waconia Lake.....	Carver.....	"	2,000
I. F. Dilley.....	Minnewasta.....	Carver.....	"	500
Chas. Haase.....	Kennedy Lake.....	Dakota.....	"	1,000
E. W. Leonard.....	Lake Early.....	Dakota.....	"	500
Porter Martin.....	S. Branch Vermillion.....	Dakota.....	"	500
John Gilman.....	Farquahr Lake.....	Dakota.....	"	200
T. T. Smith.....	Smith Brook.....	Dakota.....	Brook trout.	250
J. McGrath.....	McGraths Lake.....	Dakota.....	Calif. salmon.	500
Godfrey Keller.....	Twin Lake.....	Dakota.....	"	1,000
Samuel Wilson.....	Caverny Brook.....	Dodge.....	Brook trout.	1,000
".....	Wilson Brook.....	Dodge.....	"	1,000
".....	Charnock Brook.....	Dodge.....	"	1,000
".....	Mantor Brook.....	Dodge.....	"	1,000
".....	Marston branch.....	Dodge.....	"	1,000
Niles Carpenter.....	Tenberg Brook.....	Fillmore.....	"	1,000
".....	Benton Creek.....	Fillmore.....	"	1,000
J. Q. Farmer.....	Spring Valley.....	Fillmore.....	"	1,000
C. G. Edwards.....	N. Branch Watsons.....	Fillmore.....	"	1,000
".....	Jordan Creek.....	Fillmore.....	"	1,000
".....	Kingsley Creek.....	Fillmore.....	"	1,000
Niles Carpenter.....	Rush Creek.....	Fillmore.....	"	1,000
Geo. G. Sterns.....	Spring Creek.....	Fillmore.....	"	1,000
G. W. Hard.....	North Branch.....	} of south Fillmore.....	"	1,000
".....	South Branch.....			
".....	Middle Branch.....	} Root R. Fillmore.....	"	1,000
".....	Willow Creek.....			
".....	Camp Creek.....	Fillmore.....	"	1,000
".....	Watson Creek.....	Fillmore.....	"	1,000
B. A. Man.....	Walker Creek.....	Fillmore.....	"	1,000
".....	Pilot Mound.....	Fillmore.....	"	1,000
Wm. Morris.....	Alden Lake.....	Freeborn.....	Calif. salmon.	1,000
".....	Pickrel Lake.....	Freeborn.....	"	1,000
L. N. Patchens.....	Patchens Lake.....	Grant.....	"	2,000
".....	Twin Lake.....	Grant.....	"	2,000
".....	Haskins Lake.....	Grant.....	"	2,000
Jesse McIntire.....	Hay Creek.....	Goodhue.....	Brook trout.	5,000
J. H. Webster.....				
W. Hayman.....	Wells Creek.....	Goodhue.....	"	4,000
W. Doyle.....	Bell Creek.....	Goodhue.....	Cal. Salmon	5,000
Carrington Phelps.....	Minnetonka.....	Hennepin.....	Lake Sup. tr't.	5,000
".....	Minnetonka.....	Hennepin.....	Calif. salmon.	3,000
J. D. Young.....	Lake Rebecca.....	Hennepin.....	"	1,000
J. W. Keesling.....	Lydard.....	Hennepin.....	"	1,000
J. P. Grau.....	Hokah.....	Houston.....	"	2,000
E. A. Ruler.....				
W. G. McSpadden.....	Silver Lake.....	Houston.....	"	2,000
Edmund Null.....	Como Lake.....	Houston.....	"	4,000
Niles Carpenter.....	Highland Creek.....	Houston.....	Brook trout.	2,500
".....	Daily Creek.....	Houston.....	"	2,500
".....	Borland Creek.....	Houston.....	"	2,500
D. C. Cameron.....	Silver Creek.....	Houston.....	"	2,500
E. A. Keeler.....				
P. S. Gardner.....	Lake Emily.....	Le Sueur.....	Calif. salmon.	2,000
R. Butters.....	Lake Washington.....	Le Sueur.....	"	1,000
F. Schickling.....	Lake Jefferson.....	Le Sueur.....	"	3,000
H. A. McConnell.....	Little Iowa.....	Mower.....	"	3,000
Ole Peterson.....	Lake Peterson.....	Pope.....	"	1,000
".....	Skandinavia.....	Pope.....	"	1,000
Wm. Dawson.....	McCanns Lake.....	Ramsey.....	L. L. salmon.	3,500
Edmd. Rice.....	Rice Pond.....	Ramsey.....	"	3,500
".....	Rice Brook.....	Ramsey.....	Brook trout.	2,000
Wm. Krameroth.....	Krameroth's Pond.....	Ramsey.....	Calif. salmon.	200
Commissioners.....	Gervais Lake.....	Ramsey.....	"	3,500
".....	Willow Brook.....	Ramsey.....	Brook trout.	2,000
H. E. Barron.....	Roberts Lake.....	Rice.....	Calif. salmon.	1,000
".....	Dudley Lake.....	Rice.....	"	1,000
".....	Cedar Lake.....	Rice.....	"	1,000

Applicant.	Water.	County.	Kind of Fish.	No. of Fish.
H. E. Barron	Northfield Lake.....	Rice	L. L. Salmon.	1,000
"	French Lake.....	Rice.....	Cal. Salmon.	2,000
"	Shields Lake.....	Rice.....	"	1,000
Chas. Taylor.....	Union Lake.....	Rice.....	"	1,000
"	Circle Lake.....	Rice.....	"	1,000
Seth H. Kenney.....	Horse Shoe Lake.....	Rice.....	"	2,000
C. H. Woodward	Spring Creek.....	Rice.....	"	1,000
Wm. Howe.....	Cannon River.....	Rice.....	"	1,000
H. E. Barron.....	Gillmore's Pond.....	Rice.....	B. Trout.	1,000
"	Gillmore's Creek.....	Rice.....	Cal. Salmon.	1,000
C. H. Prior	Prior Lake.....	Scott.....	"	11,000
"	Credit Lake.....	Scott.....	"	
"	Spring Lake.....	Scott.....	"	
D. L. Howe.....	O'Dowd's Lake.....	Scott.....	"	4,000
Joshua Briggs.....	Briggs Lake.....	Sherburne.....	"	1,000
Ben R. Briggs.....	Rush Lake.....	Sherburne.....	"	1,000
"	Lake Julia.....	Sherburne.....	"	1,000
John Cooper.....	Pearl Lake.....	Stearns.....	"	2,000
William Doughty.....	Pleasant Lake.....	Stearns.....	"	4,000
William Mulliken	Grand Lake.....	Stearns.....	"	1,000
John Cooper.....	Kimball Lake.....	Stearns.....	"	1,000
E. S. Bennett.....	Carnelian Lake.....	Stearns.....	"	1,000
Rev. Alex. Edelbrook	St. John's Lake.....	Stearns.....	"	3,000
I. Donnelly.....	Gavin's Lake.....	Stevens.....	"	1,000
"	Engle Lake.....	Stevens.....	"	1,000
D. C. Tinsley.....	Frog Lake.....	Stevens.....	"	1,000
I. Donnelly.....	Donnelly Lake.....	Stevens.....	"	1,000
E. W. Dunn.....	Hassel Lake.....	Swift.....	"	1,000
Thos. Henderson.....				
Gen. L. F. Hubbard.....	Mazeppa.....	Wabasha.....	"	1,000
Skillman Bros.....	Trout Brook Pond.....	Wabasha.....	B. Trout.	5,000
Gen. L. F. Hubbard.....	N. Branch Zumbro.....	Wabasha.....	Cal. Salmon.	2,000
Henry de Reoux.....	Clear Lake.....	Washington.....	"	1,000
E. R. Nafle.....	Tanners Lake.....	Washington.....	"	500
Commrs.....	Red River.....	Wilkin.....	"	3,000
Niles Carpenter.....	Mower Creek.....	Winona.....	B. Trout.	1,000
"	Ferguson Creek.....	Winona.....	"	1,000
"	Pine Creek.....	Winona.....	"	1,000
"	Brown's Mill Pond.....	Winona.....	Cal. Salmon.	200
O. Longworth.....	Clearwater Lake.....	Wright.....	"	3,000

182,850

*This lot nearly all died after leaving the cars and before reaching the lake.

RECAPITULATION.

Fish hatched in 1878, and Distributions.

Lake Trout distributed.....	3,000
" " still at Red Wing Hatchery.....	500
Land Locked Salmon distributed.....	8,000
Brook Trout distributed.....	58,200
" " still at Red Wing Hatchery.....	30,000
California Salmon distributed.....	113,650
" " still at Red Wing Hatchery.....	5,000
" " still at Willowbrook Hatchery.....	20,000
	239,350

Breeders, eggs and fry on hand at Hatcheries.

Red Wing Hatchery.	
3 year old Brook Trout.....	2,500
2 " " " ".....	1,700
1 " " " ".....	4,000
Willowbrook Hatchery.	
3 year old Brook Trout.....	1,200

Total number of Breeders..... 9,400

At the two Hatcheries we have 600,000 Brook Trout eggs in the troughs, and at Willowbrook we have about 800,000 young Salmon already hatched and just beginning to feed.

As no little curiosity is frequently exhibited by some of our citizens to know if our California Salmon fry have ever been heard from, I will append a few extracts from some of my correspondents:

April 23, 1878, Hon. H. E. Barron writes: "Two or three years ago, at the time we received our first salmon, 200 of the young fry were put into a private fish pond belonging to Mr. Geo. M. Gilmore, they have done finely, and to-day we have taken them to one of our lakes and put them in. Some of them were 12 inches long." Mr. Dundas, of Rice county, "caught a salmon $2\frac{1}{2}$ pounds." Mr. Hunt, J. P., Northfield, also.

June 12, 1878, B. A. Man, Esq., Lanesboro, writes: "The 2,000 salmon I went for to Red Wing, two years ago, we have heard from this spring, by two caught here in the lake, one of which was about 10 inches, and the other 13 inches long, both caught in same place."

July 21, 1878, M. Hugh Mitchell brought me two California Salmon recently, (dead) from Sunfish Lake, Dakota county. Thinks they were killed by the heavy thunder of the previous night, as they were found on top of the lily leaves which entirely cover the water in some places. My conjecture is, that in jumping for insects they got upon the lily leaves and could not get back to the water. They weighed 2 pounds 3 ounces, and were $16\frac{1}{2}$ inches long.

Rev. Mr. Hare, of same neighborhood, reports: "An angler catching five in the same lake a fortnight before"; from another source I learn of seven more caught in the same lake.

September 5, 1878, E. S. Thompson reports that, "Col. Geo. H. Johnston, of Detroit, Becker county, killed a salmon in the flume of his mill, 9 inches long, a month since," evidently a smolt of last year's planting. Another young man, of St. Paul, reports catching 60 young salmon in Lake Phalen, which he returned to the water.

J. W. Keesling, Esq., of Wayzata, reports that Mr. Jefferson, of Louisville, Ky., caught a $1\frac{1}{2}$ pound salmon in Minnetonka with a small spoon hook, and thinks there were at least one hundred caught, within his knowledge during the season.

Many more instances might be cited, but the above are sufficient to show the fish are living and sure to thrive.

The following statement will show the eggs and fish now on hand in the hatcheries:

EGGS AND FRY FOR 1879.

Young fry (new hatch) and eggs at Willowbrook and Red Wing Hatcheries.

Brook Trout eggs, <i>Salmo fontinalis</i>	600,000
Lake Trout eggs, <i>Salmo Nymacush</i>	100,000
Madison Lake Whitefish eggs, <i>Coregonus tullibee</i>	360,000
Michigan Lake Whitefish eggs, <i>Coregonus albus</i>	400,000
	<hr/>
	1,460,000
Young fry of California Salmon (recent hatch).....	800,000
All of which will be distributed to our waters during the coming season.	

STATISTICS OF RELIGION.

MEMBERSHIP OF THE VARIOUS RELIGIOUS BODIES, VALUE OF CHURCH PROPERTY, AND BENEVOLENT CONTRIBUTIONS IN THE STATE.

Denomination.	Member-ship.	Value of Church property	Membership of Sunday Schools.	Contributions to benevolent objects.
Norwegian-Danish Evang'l Lutheran..	47,469	\$120,000	5,000	.....
Methodist Episcopal.....	20,160	757,925	20,265	671 94
Baptist.....	6,430	224,150	5,415	10,046 26
Congregational.....	6,223	255,000	10,430	10,595 87
Presbyterian.....	6,158	420,000	9,279	7,265 00
German Evangelical Lutheran.....	22,000	.....	.....	.....
Episcopalian { *Reformed.....	19	2,000	.....	.....
Protestant.....	4,298	278,245	4,766	*5,069 00
Evangelical Association.....	3,801	96,575	3,690	6,566 71
Unitarian.....	150	.....	80	.....
Friends.....	160	5,000	75	400 00
Universalist.....	966	190,225	560	730 00
Swedenborgian.....	80	8,000	.....	.....
Hebrew.....	54	4,000	20	.....
Freewill Baptists.....	1,280	.....	.....	.....
Mennonite.....	1,408	.....	.....	.....
Norwegian and Danish Conferents.....	13,966	.....	No. of Scho'ls 70	.....
Other Lutheran Societies.....	5,000	.....	.....	.....
*Swedish Evangelical Lutheran.....	22,268	175,000	No. of Scho'ls 100	10,904 91
*Norwegian Lutheran Agustain.....	2,000	10,000	.....	.....
Y. M. C. A. of Minnesota.....	2,358	6,000	Number of Associations 15	18,000 00

*CATHOLICS.

Colleges.....	1
Religious Orders.....	18
Academies (Female).....	7
Charitable Institutions.....	5
Priests.....	118
Churches.....	188
Hospitals.....	1
Asylums.....	3
Catholic population.....	114,000

*Report of 1877.

Statistical Tables accompanying the Annual Report of the State Statistical Secretary of the Minnesota State Sabbath School Association, for the year ending December 31st, 1877. Presented at the Twentieth Annual Convention, at St. Paul, June 18, 19 and 20, 1878. State Statistical Secretary, Wm. Cheney, Minneapolis, Minn.

COUNTIES.	No. of Schools reported.	No. of Schools not reported.	Whole No. Of- fice's & Teach- ers	Average at- tend- ance per Sab- b.	Whole No. of Scholars.	Average at- tend- ance of sch'ls per Sabbath.	Population be- tween 5 and 21 years of age.	Additions to Church from S. S. during year.	Amt. contrib- uted to benev- olent purposes during year.	Amt. expend'd for support of the school dur- ing year.	Schools organ- ized in 1877.
Anoka.....	3	1	47	39	285	185	2,137	2	\$48 00	\$48 30	0
Benton.....	4	0	26	20	122	67	764	13	6 10	20 29	0
Blue Earth.....	41	6	381	306	2,440	1,721	8,358	141	114 15	628 40	...
Brown.....	6	3	36	28	175	12	3,904	3	7 00	20 87	...
Carlton.....	1	...	2	2	12	12	137	...	...	...	...
Carver.....	2	3	16	10	125	90	5,696	14	...	20 00	...
Chippewa.....	3	...	21	10	87	62	968	...	0	0	...
Chisago.....	9	0	52	...	288	...	2,224	...	...	29 00	...
Clay.....	3	1	17	15	112	88	439	0	30 00	42 00	...
Cottonwood.....	...	...	...	...	...	...	1,004	...	...	...	...
Crow Wing.....	2	1	19	12	125	81	308	...	12 00	53 00	0
Dakota.....	31	7	292	236	1,725	1,155	7,353	70	95 66	476 93	2
Dodge.....	20	5	219	152	1,615	926	4,097	32	36 75	634 65	10
Douglas.....	14	0	76	62	500	381	2,205	...	...	...	...
Faribault.....	12	42	136	109	947	541	4,499	62	30 52	164 71	9
Fillmore.....	13	26	172	120	1,041	813	11,133	67	114 10	592 64	...
Freeborn.....	11	7	88	69	628	418	5,032	6	41 25	110 59	...
Goodhue.....	43	0	500	429	3,082	2,207	10,585	89	121 88	1,252 96	6
Hennepin.....	79	0	1,019	859	9,352	6,409	17,262	166	3,769 20	3,914 18	6
Houston.....	4	...	39	33	260	170	6,618	2	10 07	96 52	...
Isanti.....	2	1	11	8	52	30	1,392	0	0	13 58	0
Jackson.....	2	...	14	12	46	35	1,213	0	3 19	15 08	...
Kanabec.....	1	...	...	...	40	...	107	...	...	...	...
Kandiyohi.....	6	...	42	27	208	155	2,856	...	...	...	...
Lac qui Parle.....	1	...	5	5	20	18	419	...	0	0	...
LeSueur.....	6	2	68	62	410	295	5,698	7	290 00	169 00	...
Lincoln.....	1	0	...	...	20	20	133	...	...	...	...
Lyon.....	4	3	23	16	133	98	863	7	20 00	9 00	...
McLeod.....	6	6	55	46	304	186	3,442	15	9 00	66 75	2
Martin.....	5	...	47	39	265	201	1,440	14	10 00	71 91	...
Meeker.....	14	12	106	80	762	483	3,309	11	2 25	122 16	8
Mille Lacs.....	4	0	21	19	140	110	523	1	...	50 00	...
Morrison.....	12	...	68	46	319	156	1,069	2	0	49 15	0
Mower.....	13	...	120	100	926	664	5,242	35	66 89	323 57	...
Murray.....	2	0	10	10	78	60	447	...	...	...	0
Nicollet.....	7	...	56	...	380	...	4,362	...	...	160 00	...
Nobles.....	9	...	70	44	372	264	921	8	59 85	81 76	...
Olmsted.....	16	...	211	170	1,414	1,029	8,294	70	87 56	466 80	...
Otter Tail.....	5	...	35	31	242	172	2,857	3	65 00	135 00	...
Pine.....	1	...	4	...	25	...	263	...	0	...	...
Pope.....	1	0	3	3	8	6	1,435	...	...	...	0
Ramsey.....	34	...	515	402	4,244	2,942	12,494	21	924 00	2,089 00	2
Redwood.....	5	0	50	45	320	185	1,015	...	...	...	...
Renville.....	...	...	...	...	...	...	2,462	...	...	...	...
Rice.....	21	7	200	150	1,950	1,275	8,314	28	265 24	85 56	0
Rock.....	1	...	10	6	76	68	606	3	0	27 00	...
St. Louis.....	3	2	53	42	343	246	1,100	3	14 90	75 00	...
Scott.....	13	1	111	84	648	427	5,667	49	115 00	233 80	1
Sherburne.....	3	8	25	21	120	95	1,107	...	...	...	...
Sibley.....	1	1	9	8	104	75	3,779	0	0	28 60	0
Stearns.....	18	1	164	128	914	727	7,188	24	3 80	272 21	1
Steele.....	6	10	97	84	769	466	4,011	25	64 91	260 74	...
Stevens.....	3	1	28	24	128	85	252	0	2 50	0	1
Swift.....	2	...	15	12	70	50	697	30	5 00	25 00	...
Todd.....	2	4	12	8	67	32	1,456	0	...	13 05	1
Wabasha.....	9	4	123	95	804	430	6,841	37	75 16	296 11	...
Waseca.....	12	7	127	99	670	491	4,641	9	32 53	247 00	2
Washington.....	23	8	214	174	1,741	1,274	5,720	47	153 00	360 44	3
Watowwan.....	...	...	...	...	...	...	1,438	...	...	...	...
Wilkin.....	2	...	10	8	50	40	146	...	...	...	...
Winona.....	36	...	441	372	3,209	2,277	10,641	59	296 70	320 58	...
Wright.....	10	6	86	68	485	373	5,646	3	0	189 70	1
Yellow Medicine.....	5	0	41	32	190	113	806	1	6	28 25	2
Total.....	628	186	6,462	5,088	45,987	31,101	227,435	1,179	7,003 25	\$14,390 84	52
Total, 1876.....	549	150	5,655	4,348	39,526	26,879	227,435	1,202	4,995 00	14,866 08	63
Gain.....	79	36	807	740	6,461	4,222	...	...	2,008 25	...	...
Decrease.....	...	...	...	...	...	...	...	23	...	476 24	11

The above statement is understood to include only the schools reported to the Minnesota State S. S. Association, as being under the jurisdiction of some one of the religious denominations belonging to that association. From a communication received from the office of the secretary of Missions of the American Sunday School Union, the following additional information is obtained, viz:

"Our records show that the Missionaries of the American Sunday School Union has established 1,124 Sunday Schools in your state since 1868, and brought 36,053 scholars and 5,503 teachers into them for bible study.

They have afforded aid in 1,801 instances, representing 97,349 scholars and 12,844 teachers.

This work also provides a pure literature for the children in the sparsely settled communities. * * * * \$18,757.33 worth of good books and papers have been put in circulation, \$7,533 by donation. 6,405 bibles and testaments have also been given to the people."

The communication from which the above is quoted adds that "Not a few of these schools have now passed under the care of the churches," and such are most likely included in the preceding tabular statement.

TEMPERANCE.

OFFICE OF THE MINNESOTA TEMPERANCE UNION, {
MINNEAPOLIS, MINNESOTA, DEC. 12, 1878. }

Hon. Jno. P. Jacobson, Commissioner of Statistics:

DEAR SIR:—I submit the following items concerning our work in Minnesota and the present status of the Temperance Reform:

MINNESOTA TEMPERANCE UNION.

This incorporation is pressing its work with renewed vigor. It has kept from three to seven workers in the field during the year, and has pledged through its various agencies something near 30,000. It has raised for the work in cash about \$3,000, in notes and subscriptions for its general fund, \$3,000 more.

At its last annual meeting a vote was taken to change the time of holding the annual meeting, from the Wednesday after the first Monday in September to the second Wednesday in July.

WOMEN'S CHRISTIAN TEMPERANCE UNION.

This society, now on its second year in this State, is doing a grand work. Some twenty-five new auxiliaries have been added during the year.

THE SUNDAY SCHOOL TEMPERANCE LEAGUE.

This society is doing a good work among the young. It is simple in its methods and has pledged near 20,000.

JUVENILE TEMPLARS AND CADETS OF TEMPERANCE.

These societies respectively, under the direction of the Good Templars and Sons of Temperance, are doing a noble work among the young people of our State. The Juvenile Temple at Albert Lea, is the banner organization of the kind in the State.

GOOD TEMPLARS.

This is the largest temperance society in the State. Numbers about 10,000, and 200 lodges.

SONS OF TEMPERANCE.

This is comparatively a young organization in our State. Has now 2,221 members and 57 divisions.

TEMPLE OF HONOR.

Has not grown much during the year. Has nine or ten temples and some 500 members.

LOCAL OPTION.

A large number of townships and a number of villages and cities have taken advantage of the general law, or by permission, especially, voted down the granting of license to intoxicating liquors.

PROHIBITION REFORM PARTY.

Has more thoroughly organized during the year, and now controls about 3,000 votes.

THE CATHOLIC TOTAL ABSTINENCE UNION.

This society is doing a grand work. Its officers will, no doubt, furnish you with a full report.

Yours respectfully,

W. W. SATTERLEE,

Secretary M. T. U.

PUBLIC SCHOOLS.

The educational department is under the charge of a superintendent of public instruction, appointed by the Governor. Each county elects by popular vote a county superintendent, of whom there are seventy. Common school districts have boards of three trustees; independent districts have six directors, and special districts such number as the law in each case determines.

No. of districts.....	3,811
No. of school houses.....	3,280
No. of different teachers.....	4,872
Average of teachers' wages, males.....\$	37 52
Average of teachers' wages, females.....	28 12
Value of school houses and sites.....	3,382,351 00
Permanent school fund.....	3,859,963 51
Current school fund.....	199,982 00
Cost of schools to a pupil enrolled....	8 40

COUNTIES.	Scholars entitled to apportionment.	Scholars enrolled.		Attendance Av. daily.		Districts Classified.			Houses Classified.				Value of houses and sites.
		Winter.	Summer.	Winter.	Summer.	Common.	Indep't.	Special.	Frame.	Brick.	Stone.	Log.	
Aitkin.....	25	25	24	.....	.....	1	.....	.....	1	.....	.....	.....	\$ 1,200 00
Anoka.....	1,608	1,372	1,219	979	864	41	1	.....	32	.....	.....	3	24,712 00
Becker.....	531	65	536	43	301	24	1	.....	6	.....	.....	5	4,400 00
Benton.....	642	599	351	368	201	22	.....	.....	10	.....	.....	8	6,805 00
Big Stone.....	50	50	25	25	25	5	.....	.....	1	.....	.....	3	1,000 00
Blue Earth.....	6,092	5,148	4,684	3,591	2,855	123	2	1	94	9	1	18	106,220 00
Brown.....	2,545	2,041	1,056	1,193	603	59	1	1	39	5	.....	11	27,190 00
Carlton.....	111	83	49	52	32	5	.....	.....	3	.....	.....	.....	1,000 00
Carver.....	3,210	3,191	879	1,999	578	69	1	.....	33	2	.....	25	29,765 00
Chippewa.....	763	409	562	274	325	30	.....	.....	13	.....	.....	2	6,620 00
Chisago.....	1,593	1,282	859	26	29	40	1	1	23	.....	.....	13	14,061 00
Clay.....	466	367	276	226	181	13	.....	.....	4	1	.....	3	4,917 00
Cottonwood.....	597	343	419	182	230	35	.....	.....	19	.....	.....	.....	5,450 65
Crow Wing.....	194	173	162	106	103	1	1	.....	1	.....	.....	.....	3,000 00
Dakota.....	4,748	3,495	2,134	26	19	98	1	.....	92	1	.....	1	54,491 00
Dodge.....	3,249	2,805	2,166	1,845	1,372	71	3	.....	59	2	7	2	54,290 00
Douglas.....	1,728	957	1,279	20	37	57	.....	.....	11	.....	.....	4	21,050 00
Fairbault.....	3,912	3,072	2,472	2,038	1,738	105	2	.....	90	3	3	8	55,711 00
Fillmore.....	8,420	7,164	5,153	4,494	3,393	166	4	1	128	15	11	19	140,018 00
Freeborn.....	4,152	3,317	2,700	2,103	1,702	105	.....	.....	91	1	.....	12	61,922 00
Goodhue.....	7,430	6,423	3,679	4,217	3,206	143	2	1	136	8	4	1	161,274 00
Grant.....	384	89	380	58	178	15	.....	.....	8	1	.....	2	5,866 00
Hennepin.....	9,959	8,921	7,723	6,670	5,257	110	.....	1	100	11	2	4	394,017 00
Houston.....	4,258	3,980	1,967	2,337	1,191	94	1	.....	55	4	6	29	5,249 00
Isanti.....	1,050	538	810	304	1,488	35	.....	.....	20	.....	.....	13	6,203 00
Jackson.....	849	400	657	247	359	53	1	.....	31	.....	.....	.....	12,913 00
Kanabec.....	68	36	34	3	3	7	.....	.....	1	.....	.....	4	1,175 00
Kandiyohi.....	2,329	1,143	1,894	743	1,166	69	.....	.....	32	.....	.....	.....	16,865 00
Lac qui Parle.....	286	73	252	41	116	21	.....	.....	8	.....	.....	1	500 00
Lake.....	31	31	.....	22	.....	1	.....	.....	1	.....	.....	.....	300 00
Le Sueur.....	4,520	4,143	2,209	2,638	1,332	87	3	.....	45	3	3	35	36,576 00
Lincoln.....	117	74	80	28	15	4	.....	.....	2	.....	.....	2	.....
Lyon.....	833	403	607	243	380	39	.....	.....	20	.....	.....	1	10,960 00
McLeod.....	2,724	2,320	1,600	1,336	1,019	60	2	.....	42	.....	.....	19	39,997 31
Martin.....	1,236	817	918	622	590	64	.....	.....	49	.....	.....	6	15,497 00
Meeker.....	2,976	2,498	1,959	254	306	64	.....	.....	30	.....	.....	28	19,725 00
Miller Lacs.....	394	300	292	196	196	7	.....	.....	3	.....	.....	4	4,085 00
Morrison.....	771	427	570	273	340	23	.....	.....	8	.....	.....	9	9,075 00
Mower.....	4,654	3,635	2,124	2,111	1,898	109	2	.....	95	3	2	3	97,180 00
Murray.....	336	93	264	51	159	21	.....	.....	12	.....	.....	2	2,610 00
Nicollet.....	2,959	2,444	1,837	1,009	697	50	1	.....	39	3	1	8	36,570 00
Nobles.....	747	270	648	137	369	56	1	.....	34	.....	.....	.....	16,175 00
Olmsted.....	6,602	5,730	4,514	3,979	3,291	132	1	3	108	20	10	3	208,010 00
Otter Tail.....	2,500	1,298	1,912	777	1,065	107	.....	.....	22	.....	.....	37	20,241 00
Pine.....	163	216	111	93	84	7	.....	.....	4	.....	.....	.....	3,900 00
Polk.....	271	136	183	70	87	17	.....	.....	1	.....	.....	4	775 00
Pope.....	1,139	381	1,040	226	473	50	.....	.....	18	1	.....	21	11,242 00
Ramsey.....	5,155	4,416	4,380	3,146	2,988	19	1	.....	20	4	3	.....	258,378 00
Redwood.....	465	284	317	216	138	34	1	.....	12	.....	.....	.....	6,450 00
Renville.....	1,908	905	2,105	416	653	70	.....	.....	23	.....	.....	15	6,190 00
Rice.....	6,211	6,149	5,086	4,038	2,933	103	.....	2	69	16	6	14	122,032 00
Rock.....	630	334	512	249	313	42	.....	.....	16	.....	.....	.....	9,453 00
Saint Louis.....	644	603	449	396	313	7	1	.....	9	.....	.....	2	6,620 00
Scott.....	3,258	3,234	822	1,944	538	64	1	2	40	1	4	22	24,384 00
Shorburne.....	873	598	566	455	357	34	.....	.....	22	1	.....	4	128 00
Sibley.....	2,517	1,889	1,172	1,160	705	53	1	.....	33	1	.....	16	23,105 00
Stearns.....	4,753	3,618	3,138	.....	.....	111	4	.....	54	3	1	39	75,902 00
Steele.....	3,084	2,750	2,048	1,858	1,267	74	.....	1	66	2	.....	5	52,175 00
Stevens.....	254	.....	165	.....	148	11	.....	.....	6	.....	.....	.....	1,770 00
Swift.....	769	337	593	311	320	22	.....	.....	12	.....	.....	3	5,415 00
Todd.....	1,205	789	764	484	453	51	.....	.....	9	.....	.....	36	10,262 00
Wabasha.....	5,208	4,734	3,746	3,385	2,833	99	2	2	85	5	5	5	148,610 00
Wadena.....	117	98	81	55	44	5	.....	.....	2	.....	.....	2	2,808 00
Waseca.....	3,347	2,778	2,421	1,762	1,466	86	2	.....	65	2	.....	15	43,049 00
Washington.....	3,400	2,946	2,268	1,913	1,840	58	1	1	56	1	2	2	135,351 00
Watsonwan.....	1,173	611	711	365	464	38	1	.....	26	.....	.....	.....	12,605 00
Wilkin.....	137	95	113	63	65	6	.....	.....	3	.....	.....	2	3,400 00
Winona.....	6,559	5,061	4,827	4,245	3,144	111	.....	2	94	7	2	6	588,695 00
Wright.....	4,322	3,658	2,177	2,235	1,337	100	3	.....	60	.....	.....	41	87,826 00
Yellow Medicine.....	686	539	443	300	205	29	.....	.....	13	.....	.....	.....	7,840 00
Total.....	160,867	.....	.....	.....	.....	3742	49	20	2469	136	74	601	3,382,351 85

STATISTICS OF GRADED SCHOOLS.

ITEMS.

1. Cost of buildings.
2. Cost of apparatus,
3. Salary of superintendent.
4. Salary of principal teacher.
5. Average monthly salary of all other teachers.
6. Number of teachers including principal.
7. Months of school in the year.
8. Number of different scholars enrolled.
9. Average daily attendance.
10. Enrollment in the highest school.
11. Number of pupils that have completed its course.
12. Number completing it the present year.

CITY OR VILLAGE.	1	2	3	4	5	6	7	8	9	10	11	12
Minneapolis.....	\$305,502	\$ 800	\$2,500	\$1,500	\$55.72	102	10	5,270	3721½	190	70	19
St. Paul.....	243,328	.....	2,000	1,500	46.50	84	10	4,402	3258	188	109	22
Winona.....	128,460	42,557	2,000	1,500	52.90	33	10	1,788	1284	128	68	11
Red Wing.....	30,000	600	1,650	1,000	50.00	20	9	1,224	809.2	93	7	1
Faribault.....	45,000	500	1,350	720	381.25	17	9	1,217	720	56	.....	.....
Rochester.....	95,000	150	1,600	750	45.00	19	10	1,163	824	56	47	10
Mankato.....	52,700	300	1,200	720	44.17	20	8	1,070	691	36	13	1
Stillwater.....	106,000	500	1,500	550	53.44	17	9	877	594	47	14	4
Hastings.....	25,000	2,500	1,200	600	44.44	13	9	785	533	36	35	2
Northfield.....	30,000	150	1,100	700	36.10	12	10	661	401	80	16	9
St. Peter.....	27,000	100	900	545	44.50	12	9	657	436	48	.....	.....
Owatonna.....	20,000	100	.....	1,100	35.00	11	9	644	443	90	7	.....
Austin.....	40,000	.....	.....	1,000	40.55	10	10	552	336	60	2	6
Duluth.....	5,000	200	.....	750	35.00	10	8	509	337	60	.....	.....
Spring Valley.....	9,500	150	.....	810	.....	7	9	472	229	182	6	4
New Ulm.....	8,400	.....	.....	.....	54.00	7	11	456	315	53	.....	.....
Shakopee.....	6,300	75	.....	1,290	37.50	8	9	4	325	166	.....	.....
Chatfield.....	6,200	100	.....	900	37.00	7	9	421	243	66	.....	.....
Albert Lea.....	7,000	50	.....	975	45.00	4	9	420	228	117	.....	.....
Wabasha.....	25,000	500	.....	1,000	35.00	7	9	416	205	.....	.....	.....
St. Charles.....	12,000	75	.....	1,000	42.00	6	9	409	264	57	.....	.....
LeSueur.....	9,000	40	.....	945	45.00	5	9	364	233	42	.....	2
Waseca.....	5,000	500	.....	657	41.25	5	9	350	271	60	.....	4
Rushford.....	12,000	300	.....	1,000	40.00	6	10	343	212	82	.....	.....
Litchfield.....	4,000	.....	.....	600	52.50	4	8	319	185	61	.....	.....
Glencoe.....	7,000	50	.....	1,000	40.00	5	9	306	175	86	.....	.....
Preston.....	9,000	100	.....	1,000	40.00	4	9	302	185	94	.....	.....
Plainview.....	14,000	50	.....	1,000	40.00	5	9	299	200	49	3	3
Cannon Falls.....	5,300	46	.....	675	55.00	6	9	297	164	36	.....	.....
Hutchinson.....	7,000	65	.....	800	32.00	4	8	283	192	97	5	5
Zumbrota.....	4,500	.....	.....	800	40.00	3	9	281	.....	.....	.....	.....

CITY OR VILLAGE.	1	2	3	4	5	6	7	8	9	10	11	12
Sauk Center.....	15,000	50	.....	800	40.00	5	8	268	183	70	....	..
Rasson.....	8,000	75	.....	675	33.00	4	9	265	165	72	....	..
Lanesboro.....	10,000	.....	.....	1,000	43.50	4	9	260	137	89	....	..
Blue Earth City.....	6,000	15	.....	725	30.00	4	9	260	141	65	....	..
Dodge Center.....	5,000	100	.....	600	31.00	4	9	245	142	66	....	..
Alexandria.....	5,000	100	.....	675	50.00	3	9	238	188	54	....	..
Caledonia.....	2,000	300	.....	585	90.00	3	9	236	104	63	....	..
Reed's Landing.....	10,000	250	.....	710	46.00	3	0	222	123	67	....	..
Dundas.....	5,000	50	.....	750	33.75	3	10	215	131	62	....	..
Chaska.....	1,500	25	.....	630	40.00	3	19	213	120	36	....	..
Janesville.....	3,000	50	.....	440	30.00	3	8	210	54	49	....	..
Fergus Falls.....	6,000	40	.....	700	38.00	4	9	209	10	67	....	..
Weiss.....	3,500	40	.....	540	30.00	3	9	206	110	85	....	..
Hokah.....	2,800	.....	.....	390	35.00	4	6	203	150	47	....	..
Farmington.....	6,000	50	.....	675	35.00	4	9	194	108	54	....	..
Waterville.....	6,500	.....	.....	600	35.00	2	9	194	195	50	....	..
Brainerd.....	2,600	10	.....	725	40.00	2	0	193	05	91	....	..
Redwood Falls.....	2,000	50	.....	630	43.33	3	19	187	113	6	....	..
Mantorville.....	15,000	75	.....	552	35.00	3	7	186	133	47	15	15
Le Roy.....	5,500	75	.....	720	37.50	3	9	180	119	38	....	..
Princeton.....	3,800	50	.....	650	40.00	3	7	180	111	81	....	..
Jordan.....	4,000	50	.....	360	30.00	2	9	172	177	73	....	..
Howard Lake.....	4,000	50	.....	600	33.00	3	8	169	99	48	....	..
Sauk Rapids.....	6,000	40	.....	700	37.50	3	9	162	75	49	....	..
St. Cloud, Union.....	24,600	100	.....	1,000	42.00	6	9	278	08	45	3	1
St. Cloud, Ind.....	6,200	55	.....	900	42.00	3	9	161	223	54	15	..
Madelia.....	4,000	.....	.....	210	32.00	2	6	160	160	80	....	..
Monticello.....	4,000	400	.....	600	36.00	3	8	160	101	64	....	..
Fairmont.....	2,500	15	.....	400	30.00	3	8	160	180	67	....	10
Eyota.....	7,000	50	.....	810	37.77	3	9	155	20	60	....	..
Willmar.....	2,200	100	.....	490	37.50	3	7	151	104	61	....	..
Dover.....	5,000	75	.....	540	35.00	3	9	144	186	50	....	..
Spring Grove.....	1,500	30	.....	240	20.00	2	5	140	84	44	....	..
Grand Meadow.....	2,500	75	.....	550	30.00	2	9	140	78	70	....	..
Moorhead.....	5,000	100	.....	950	40.00	2	0	131	67	45	....	..
Osseo.....	2,400	40	.....	750	35.00	2	19	128	91	52	....	..
La Crescent.....	2,700	50	.....	500	35.00	2	0	127	70	62	....	..
Lakeland.....	3,100	40	.....	600	40.00	2	19	120	85	35	6	2
Clearwater.....	2,300	40	.....	600	66.00	2	8	113	73	43	....	..
Brownsdale.....	3,000	25	.....	540	35.00	2	9	110	.....	45	....	..
Stockton.....	3,000	30	.....	365	30.00	2	7	106	64	50	....	..
Dayton.....	1,200	300	.....	477	30.00	2	9	100	79	36	....	..
Marine Mills.....	1,000	20	.....	650	43.00	3	9	97	54	39	2	2
Oronoco.....	4,000	15	.....	495	35.00	2	9	95	52	36	....	..
Cottage Grove.....	3,600	.....	.....	210	35.00	2	6	95	33	....	....	..
Ottawa.....	1,500	25	.....	300	25.00	2	7	88	44	41	....	..
Waseoia.....	2,500	30	.....	360	35.00	2	9	67	14	28	....	..

STATE BENEVOLENT INSTITUTIONS.

ASYLUM FOR DEAF, DUMB AND BLIND.

FARIBAULT, RICE COUNTY.

H. E. BARRON, President.

R. A. MOTT, Secretary.

Address, for admission or enquiry, J. L. NOYES, Superintendent.

Total number of pupils in Deaf Mute Department for 1878.....	107
Total number of pupils in Blind Department for 1878.....	21
Total.....	128

This institution is free and open to all the Deaf and Dumb and the Blind in the State, between the ages of ten and twenty-five, who are capable of receiving instruction.

Expenses of institution for salaries, board and care of inmates, printing office, and furniture and machinery for same, etc., etc., for 1878, \$28,897.99.

HOSPITAL FOR THE INSANE.

ST. PETER, NICOLLET COUNTY.

C. T. BROWN, President.

A. H. KERR, Secretary.

C. H. BARTLETT, M. D., Superintendent.

Number of patients under treatment during 1878.....	828
Discharged during the year.....	168
Deaths.....	35
Present number of patients.....	579
Expenses of institution for 1878.....	\$105,091.48
Estimated value of real and personal property of the institution.....	612,933.12

STATE REFORM SCHOOL.

ST. PAUL, RAMSEY COUNTY.

D. W. INGERSOLL, President.

F. McCORMICK, Secretary.

J. G. RHELDAFFER, Superintendent.

Whole number of inmates during 1878.....	143
Whole number discharged during 1878.....	32
Whole number escaped and not returned in 1878.....	1
Present number of inmates.....	108
Expenses of institution during 1878.....	\$30,405.73

MUNICIPAL, CHARITABLE AND BENEVOLENT
INSTITUTIONS.

CATHOLIC ORPHAN ASYLUM, ST. PAUL.

Located on Grove, corner Olive St. Under charge of Sisters of St. Joseph.

Number of boys at present at the asylum.....	40
Number of girls at present at the asylum.....	38
Total.....	78
Yearly expenses of maintaining each.....	\$ 79.00
Total yearly expenses.....	6,004.00

HOUSE OF THE GOOD SHEPHERD, ST. PAUL.*

Female protectorate and reformatory. Under charge of the Sisters of the Good Shepherd. Located on Wilkin, opposite McBoal street.

Whole number now present.....	130
Received in Reformatory.....	45
Received in Protectory.....	40
Not yet classified.....	45
Total expenses of maintaining the same last year.....	\$10,000.00

ST. JOSEPH HOSPITAL, ST PAUL.

Under charge of Sisters of St. Joseph. Located on Exchange, between St. Peter and Ninth streets.

Whole number admitted during the past year.....	265
Number at present at hospital.....	24
Total expense of maintaining the same the year past.....	\$5,000.00

*Report of 1877.

SOCIETY OF ST. VINCENT DE PAUL.

*Statistics for the fiscal year; Auxiliary to the Superior Council of
New York.*

NUMBER.	COUNCILS AND CONFERENCES.	MEMBERS.		WORKS.			FINANCES.			
		Active Dec. 31, 1877.	Average Attendance.	Families Re- lieved during the year.	No. of Persons in Families Relieved.	No. of Visits made to Fam- ilies.	Receipts.		Expenditures.	
	NAME.						From all Sources.	From Collections at Meetings.	Total of all kinds.	For Food, Fuel, Clothing, Rent, Tuition, etc., etc.
1864	<i>Particular Council of St. Paul.</i>									
1	St. Paul.....	34	16	26	104	397	\$368	\$221	\$356	\$327
2	St. Mary.....	22	12	10	22	560	206	93	210	204
3	St. Anthony.....	24	12	12	72	.....	240	82	250	233
4	Immaculate Concep- tion.....	22	11	31	150	40	140	42	146	126
5	St. Michael.....	24	12	6	27	54	98	53	87	77
6	Immaculate Concep- tion.....	33	19	27	62	206	337	143	313	304
7	St. Joseph.....	38	16	13	48	192	80	80	63	63
8	St. Louis.....									
		197	98	125	485	1,449	\$1,469	\$714	\$1,425	\$1,334

ST. JOSEPH'S ORPHAN ASSOCIATION.

Opened March 17, 1877. Located on Exchange street, St. Paul.

Number of children now in asylum.....	12
Total expense of maintaining the same the year past.....	\$2,000.00

THE PROTESTANT ORPHAN ASYLUM OF St. PAUL.*

Located on Stewart avenue, near city limits.

Number of boys now at the asylum.....	21
Number of girls now at the asylum.....	14
Number of boys during the year.....	32
Number of girls during the year.....	33
Whole number admitted during the past year.....	65
Total expense of maintaining the same during the past year.....	\$3,000.00

*Report of 1877.

HOME OF THE FRIENDLESS.

Located No. 3 Collins street, St. Paul.

Number admitted during the past year.....	52
Number at present at the home.....	14
Total expense of maintaining same last year.....	\$1,000.00

ST. LUKE'S HOSPITAL.

Located No. 43 Eighth street, St. Paul.

Whole number admitted during past year.....	62
Number at present at hospital.....	5
Expense of maintaining for year.....	\$2,400.00

CITY AND COUNTY HOSPITAL.*

Located on Richmond street between Jefferson and Grace, St. Paul.

Whole number admitted during the year.....	203
Number at present in hospital.....	35
Expense of maintaining same for fiscal year.....	\$5,154.88

MINNESOTA MAGDALEN SOCIETY.

The St. Paul Branch is located at No. 11 Nash street, and is called "The Woman's Christian Home." It was re-opened May 1st, 1877. There are fifteen auxiliary societies in the State, located as follows:

Minneapolis,	Mankato,	Stillwater,
Hastings,	Red Wing,	Lake City,
Wabasha,	Farmington,	St. Charles,
Owatonna,	Rochester,	Winona,
Read's Landing,	Faribault,	Northfield.
Mrs. D. S. B. JOHNSTONE, President.	Mrs. S. S. TAYLOR, Cor. Secretary.	
Mrs. E. M. VANDUZEE, Treasurer,	Mrs. A. L. MORRISON, Matron.	

*Report of 1877.

Whole number admitted during the year.....	28
Number now at the Home.....	8
Number restored to parents.....	4
Number restored to husband.....	1
Married from the Home.....	1
Reformed and gone to service.....	6
Expense of maintaining Home.....	\$872.89

This expense is the money actually paid out by the treasurer. It is not a proper statement of the cost of carrying on the Home, because large quantities of groceries, provisions, &c., are constantly being received, which lessens the size of our bills.

ST. PAUL SOCIETY FOR THE RELIEF OF THE POOR.

Office, 53 Robert street.

The following is a summary of the work of our society for the past year:

Number of applications for relief.....	800
Number furnished with lodging.....	301
Number furnished with food.....	334
Number furnished with clothing.....	215
Number furnished with employment.....	349
Number assisted to reach their friends.....	120
Number furnished with fuel....	105
Expended in cash.....	\$1,832.44
Expended in material.....	910.00

Respectfully,

E. W. CHASE, Sec'y.

OTHER BENEVOLENT SOCIETIES.

ST. PAUL.

Catholic Benevolent Society.
 Pius the Ninth Benevolent Society.
 St. Vincent of Paul Society.
 Young Men's Sodality of the B. V. M.
 St. Clement Young Men's Benevolent Society.
 St. Peter's Benevolent Society.
 German Society.
 St. Aloysious Society.
 St. Ann Society.
 St. Rose Society.
 Society L'Union Française.

MINNEAPOLIS, MINN.

COTTAGE HOSPITAL.

Corner Sixth street and Ninth avenue South.

Value of property.....	\$12,000.00
Debt.....	2,000.00
Number of beds.....	15
Patients received during the year ending November 1st, 1877.....	119
Died.....	15
County patients.....	67
Private.....	25
Charity.....	27
Whole number of days.....	993
County.....	1436
Private.....	691
Charity.....	886
Nationality of patients—American, 45; Irish, 23; English, 5; Swedes, 16; German, 16; Scotch, 5; Norwegian, 8; French, 2; Indian, 1..	
Cost of maintaining hospital.....	\$1,938.26
Estimated worth of donations.....	500.00
Total... ..	\$2,438.36
Cash on hand at close of year.....	154.74

SISTERHOOD OF BETHANY.

Report of second year's work.

Total number of inmates.....	72
Number of inmates, Aug 1, 1877.....	3
Number received during the year.....	40
Received temporary aid.....	8
Number born in the Home.....	11
Number died in the Home (infant).....	1
Sent to poor farm.....	1
Dismissed insane.....	1
Furnished situations (4 infants).....	14
Returned to friends (4 infants).....	11
Refused to remain.....	5
Dismissed.....	4
Number in the Home, Aug. 1, 1878.....	8
Average family for the year.....	12

RECEIPTS.

Cash donations during the year.....	\$ 557 89
Proceeds of concert.....	223 00
Proceeds of lecture.....	69 00
Board.....	152 00
City (including grant under act March 7, 1878.).....	325 12
Total.....	\$1,327 01

DISBURSEMENTS.

Matron's salary.....	\$ 300 00
Rent, and moving expenses.....	200 00
Physician.....	25 00
Old indebtedness.....	225 00
Groceries, dry goods, medicines and incidentals, as per bills.....	481 81
Total.....	\$1,231 81
Balance.....	\$ 101 12

MINNEAPOLIS CITIZENS' RELIEF ASSOCIATION.

Number of families assisted.....	185
Number of orders issued.....	212
Approximate value.....	\$1,100 00
Assistance mainly in fuel, provisions and clothing.	

WOMAN'S CHRISTIAN ASSOCIATION, MINNEAPOLIS.

Families visited.....	598
Articles of clothing given.....	1,832
Money expended.....	\$530 00

The Woman's boarding home has been completed, and was opened in September. It has ten boarders. Our industrial school is held in the building, with a good attendance.

OTHER BENEVOLENT SOCIETIES.

MINNEAPOLIS.

Immaculate Conception Benevolent Society.
 Catholic Orphan Asylum.
 St. Joseph's Orphan Asylum.
 Cottage hospital of the Brotherhood of Gethsemane.
 Help Fellows Christian Friend.

MINNESOTA INDIANS.

U. S. CHIPPEWA AGENCY,
LEECH LAKE, CASS CO., MINN., Dec. 17, 1878. }

Hon. John P. Jacobson, Commissioner of Statistics:

SIR:—In response to your favor of the 5th instant, I herewith submit such statistics as were called for by the Indian Bureau at Washington from this agency for the current year.

A comparison with previous reports seems to indicate a decrease in numbers, whereas it is not the fact that they are growing less in numbers, but the result of more accurate enrollment, excluding "duplicates," and cutting off those long since *dead*, but carried on the rolls.

Those who make statistics a study may think ours not very creditable to the agency, not showing the progress to be looked for. In one word, I might say, "come and do better, if you think it is so easy under all our disabilities." It should be understood that the good land here was originally *timbered* heavily; that it is in scattered localities, all more or less remote from the agency. Those familiar well know that during the past year valuable progress has been made in farming by Indians.

The area of *new* land brought under cultivation by the Indians themselves is not to be despised. With no teams of their own, and very few farming implements, and only a limited amount of work that can be done by the government teams, the gain is encouraging.

Samples of corn, potatoes and turnips grown by Indians were this year brought to agent's office that were worthy of *exhibition* anywhere. Timely rains would have no doubt increased the crop of potatoes fully one-half.

In conclusion, I beg to say, the statements given are not manufactured nor extravagant, but believed to be thoroughly trustworthy and reliable.

Very respectfully, yours,

HENRY J. KING,
U. S. Indian Agent.

LEECH LAKE AGENCY.

STATISTICS OF THE MISSISSIPPI, PILLAGER AND LAKE WINNEBAGOSHISH CHIPPEWAS FOR 1878.

1. Name of Agency? Leech Lake, Minnesota,
2. Name of Indian tribes? All are Chippewas; (a) Pillager and Lake Winnebagoishish bands; (b) White Oak Point Mississippi's bands.
3. Population by tribes? Pillager and Lake Winnebagoishish bands, 1,522; White Oak Point Mississippi's bands, 773.
4. Total Indian and mixed blood population, males, 1,085; total Indian and mixed blood population, females, 1,210.
5. Number of mixed bloods? Adults, 60.
6. Number of schools? One, boarding and day combined.
7. Number of teachers? 2.
8. Number of scholars attending school one month or more during the year? 22 males, 22 females.
9. Largest number in attendance during any one month? 37.
10. Largest average attendance during any one month? 35.
11. Average attendance during the year? $23\frac{1}{2}$.
12. Number of months during which school has been maintained? $8\frac{1}{2}$.
13. Cost of maintaining school? (a) Salaries, \$1,060; (b) All other expenses, \$1,060. This expenditure also secures services of acting physician.
14. Amount of funds expended for education? (a) From Government, \$2,220; (b) From other sources, \$136.
15. Number of Indians who can read? (a) Adults, over 20, 31; (b) Youths under 20, 24.
16. Number of Indians who can read in English? (a) 45; (b) in Indian, 10; number of Indians who can read (c) both English and Indian, 10.
17. Number of Indians who have learned to read during the year? 9.
18. No. of Indians apprenticed who have been learning trades during the year? Six have been using carpenter and joiner's tools two months. One has also been learning of our Indian blacksmith a little.
19. No. of Indians who have received medical treatment during the year? The agency has no physician. Rev. S. G. Wright, teacher, is also acting physician, dispensing simple medicines and remedies; (a) No. of births, 5; (b) No. of deaths, 48.
20. To the care of what religious body is the agency assigned? Free Baptist.
21. Number of missionaries (not included under "Teachers")? None.
22. What contributions have been made during the year, and by what religious societies? Congregationalists and Free Baptists, and also by agency employes; (a) for education, \$136; (b) for other purposes, \$34—\$170.
23. Number church buildings? None.
24. No. of church members? white, (a) male, 4; (b) females, 4. Number of church members? Indian (a) male, 13; (b) females, 18.
25. Number of full blood Indians who wear citizen's dress (a) male, 55; (b) females, all except a few old women who still cling to the Indian attire.
26. Number of mixed-blood Indians who wear citizen's dress? (a) Male, all—40; (b) females, 30.
27. Number of Indians, including women and children, killed during the year? (a) by Indians of same tribe, 2; (in revenge of previous murders).

28. Number of white persons killed by Indians during the year? None.

29. Number of Indian criminals punished during the past year? (a) by civil and military, none; (b) by individual Indians, 2; (see No. 27 (a)) (c) by Indians, tribal organization, 8.

These are awards by an Indian jury, organized to settle cases of grievances between Indians, and wrongs done by Indians against whites. This is the satisfactory continuation of a sort of court, at payment, ventured upon two years ago. Very earnest pleading is sometimes made before this jury on both sides.

30. Number of crimes against property of Indians committed during the year by whites? 1.

31. Number of crimes against persons of Indians committed by whites during the year? 3. Outrages—(Fifty miles from agency.)

32. Number of whites who have been punished for crimes against Indians? None.

33. Number of acres cultivated during the year? (1.) By government, 7. (2.) By Indians, 163. (a.) Broken during the year? (1.) By government, 15. (2.) By Indians, 30.

34. Number of acres under fence? 40.

35. Number of rods of fencing made during year? 500. (4-5 temporary.)

36. Produce raised?—

	By Government School.	By Indians.
Bushels of corn	10	3,000
Bushels of oats	20	.....
Bushels of potatoes	150	2,000
Bushels of turnips .....	....	200
Bushels of beans	2	10
Melons, (count)	30	.....
Pumpkins, (count) .....	....	1,000
Squashes, (count)	50	2,000
Cut by government, tons of hay	40	220

37. Feet of lumber sawed? 79,000.

38. Cords of wood cut? 300; of which by government, 125.

39. Number and value of robes and furs sold? \$3,000.

40. Number and kind of houses occupied by Indians? 70; log and plank.

41. Number and kind of houses built for Indians during the year? 5.

42. Cost of same to the government? \$75.

43. Number and kind of houses built by Indians during the year? 11.

44. Cost of same to the government, (aside from lumber)? \$33.

45. Value of venison and fowls sold by Indians during the year? \$3,000.

46. Value of roots sold by Indians during the past year? \$3,000.

47. Value of berries sold by Indians during the year? \$300.

48. Value of wild rice sold by Indians during the year? \$3,000.

49. Amount of maple sugar made by Indians during the year? 50,000 pounds.

50. Amount of bush matting woven by Indians during the year? 600 yards.

51. Fish sold by Indians during the year? 10,000 lbs.

Fish as an article of food, is more important to the Indians than any one thing. To consider an article of diet which is so abundant and wholesome, as of little or no account to the Indians, is to ignore facts. This is really the most

serious obstacle to their settlement on the prairie; a thing which mere legislation will not remove or overcome.

Respectfully submitted,

HENRY KING,
U. S. Indian Agent.

LEECH LAKE, MINN., Dec. 17, 1878.

WHITE EARTH AGENCY.

MINNESOTA, BECKER COUNTY, Dec. 30, 1878.

Question 1. *Names of Indian Tribes?* Answer—Mississippi, Otter Tail Pillager and Pembina Chippewas.

Question 2. *Population of Tribes?* Answer—

Mississippi	1,678	
Otter Tail Pillager	510	
Pembina	569	
		2,752

Question 3. *Total Population?* Answer—

Males	1,302	
Females	1,460	
		2,752
Children (15 years of age and under) ...	1,181	

4. Number who come directly under the influence of Agency? 1,474.

5. Number of mixed bloods? 738.

6. Number of white persons on Reserve? 43; (a) employees, 3; (b) additional numbers of their families, 2; (c) other white persons not included in the above, 38.

7. Number of school buildings? 3.

8. Number of schools? 2; boarding, 1; day, 1.

9. Number of teachers? Males, 2; females 1.

10. Number of scholars attending school one month or more during the year? 141; males, 74; females, 67.

11. Number of Indians who can read? About 350; (a) adults, (over 20), 200; (b) youths, under 20, 150.

12. Largest number in attendance during any one month? 141.

13. Largest average in attendance during any one month? 141.

14. Number of months during which schools have been maintained, 8.

15. Cost of maintaining schools? \$4,000. (a) Salaries, \$1,900; (b) all other expenses, \$2,100.

16. Amount of funds expended for education? \$4,000. (a) From Government, \$4,000; (b) from Episcopal Church, not ascertained.

17. Number of Indians who can read? 350. (a) In English, 300; (b) in Indian, 50; (c) in both English and Indian, 350.

18. Number of Indians who have learned to read during the year, 55.

19. Number of Indians who have learned trades during the year? None.

20. Number of Indians who have received medical treatment during the year? 1,248; number of births, 115; number of deaths, 102.

21. To the care of what religious body is the agency assigned? Protestant Episcopal Church.

22. Number of missionaries (not included under "teachers?" (a) Male, 3; (b) female, 1.

23. What contributions have been made during the year, and by what religious societies? Episcopal, \$5,632.24, for all purposes.

24. Number of church buildings? 3.

25. Number of church members? 450 Episcopalians; no means of ascertaining Roman Catholics.

26. Number of Indians who wear citizens' clothes? 797 full blood Indians; all mixed bloods wear them, 738.

27. Number of acres in reservation? 796,672; (a) tillable, 414,720; (b) wooded, 414,720; (c) grazing, 622,030; (d) valueless, 103,680; (e) cultivated during the year, 1,138 $\frac{1}{4}$ —1. By Government, 10; 2. by people, 1,604; (f) broken during the year, 465 acres;—1. By Government, none; 2. by Indians, 465.

28. Number of acres under fence? 4,500.

29. Rods of fence made during the year? 500.

30. Number of male Indians (mixed bloods) who labor in civilized pursuits? All adult Half Breeds.

31. Number of male Indians (full bloods) who labor in civilized pursuits? 275.

32. Number of Indian families engaged in peaceful pursuits? 125.

33. In other civilized pursuits. 10.

34. Produced raised—

	By Government.	By Indians.
Bushels of wheat.....	.....	18,000
Bushels of corn.....	.....	3,281
Bushels of oats.....	1,200	4,860
Bushels of barley.....	.....	770
Bushels of potatoes.....	100	22,000
Bushels of onions.....	5	550
Bushels of beans.....	10	700
Pumpkins.....	25	2,000
Bushels of beets.....	2	500
Tons of hay cut.....	60	2,428
Melons.....	.....	450

35. Stock owned?

Work oxen.....	213 head.
Cows.....	237 head.
Small cattle.....	363 head.
	<hr/> 813
Horses.....	244
Swine.....	475

Very respectfully,

C. A. RUFFEE,
U. S. Ind. Agt.

MARRIAGES AND DIVORCES.

Marriages, Divorces and Naturalizations for the year 1878.

COUNTIES.	Marriages.	Divorces.	NATURALIZATION, FIRST PAPERS.					
			Scandina- vians.	Germans, Prussians, Bohemians and Poles.	Irish.	English and Scotch	Other Na- tionalities.	Totals.
Anoka.....	46		10	2	2	3	16	33
Becker.....	24		33	9	1	19	2	114
Benton.....								
Big Stone.....								
Blue Earth.....	187	5	4	14			6	24
Brown.....	61	4	44	35	3	9	5	96
Carlton.....								
Carver.....	107	2	12	30			9	51
Chippewa.....								
Chisago.....	30		10	1			1	12
Clay.....								
Cottonwood.....	31	1	6	35		1		42
Crow Wing.....								
Dakota.....	128	7	11	22	5	3	8	49
Dodge.....	122	6	29	5		9	6	49
Douglas.....	60	1	16	6		2	1	25
Faribault.....	102		12	5		1		13
Fillmore.....	198		105	4	8	7	2	126
Freeborn.....	159	5	57	9	4	2		72
Goodhue.....	307	10	71	35		4	3	113
Grant.....								
Hennepin.....	503	18	115	47	37	32	27	258
Houston.....	131	1	55	20	8	3	2	88
Isanti.....	34	2	12					12
Jackson.....	13	2						28
Kanabec and Pine.....								
Kandiyohi.....	47	1	14			3		17
Lac qui Parle.....	18		88	1		3		92
Lake.....								
Le Sueur.....	146	1		17	3			20
Lincoln.....	5		7				1	8
Lyon.....	50	3	82	3			17	102
McLeod.....	62		8	50	1	8	4	71
Martin.....	41			2	1	6	1	10
Meeke.....	77	1	25	2	5	3	1	36
Mille Lacs.....								
Morrison.....								
Mower.....	154	4	54	5	7	3		69
Murray.....	19	13						
Nicollet.....	70	2	28	9		7	2	46
Nobles.....	39	1	19	19		6		44
Olmsted.....	234	9	44	46	11	9	6	116
Otter Tail.....								
Pope.....	30		11			1		12
Polk.....	32		54	3	6	8	125	
Ramsey.....	370	26	81	65	22	50	12	230
Redwood.....								
Renville.....	34		6	5	1	1	1	14
Rice.....	150	5	29	18			11	58
Rock.....	32	1	41	4	1		6	52
St. Louis.....	18		8	8	1	13	11	41
Scott.....	105	2	5	17	3	2	5	32
Sherburne.....	15	1				2		2
Sibley.....	49		2	6		3		11
Stearns.....	140	3	7	51	6		10	74
Steele.....								
Stevens.....	26	1	26	9	10	9	3	57
Swift.....	42	1	97	25	35	5	4	166
Todd.....	41		4	7				12
Wabasha.....	121	4	22	31	16		4	73
Wadena.....								
Waseca.....	87	5	10	25	3	1		40
Washington.....	109	3	45	27	40		4	116
Watsonwan.....	24	2	24	3	2	3	1	93
Wilkin.....								
Winona.....	225	8	17	82	6	7	1	113
Wright.....	117	3	7	7	7		1	22
Yellow Medicine.....	13		21		1	2		24
Totals.....	958	151	1,460	825	256	239	320	2,905

BUILDING SOCIETIES.

ST. PAUL.

PEOPLE'S BUILDING SOCIETY.

Incorporated October 13, 1876.

Capital stock	\$273,050 00
Income for 1878.....	19,231 90
Mortgage loans.....	53,750 00
Other loans, (temporary on shares).....	1,355 00
Number of members.....	189
Number of series issued.....	3

FRANKLIN BUILDING SOCIETY.

Incorporated October 16, 1876.

Capital stock issued.....	\$250,000 00
Income for 1878.....	17,822 97
Mortgage loans.....	18,650 00
Other loans.....	885 00
Number of members.....	166
Number of series issued.....	2

WORKINGMEN'S BUILDING SOCIETY.

Incorporated February 24, 1870.

Capital Stock.....	\$500,000 00
Income for 1878.....	35,500 00
Mortgage Loans.....	114,800 00
Other Loans.....	None.
Number of Members.....	418
Number of Series issued.....	9

HOME BUILDING SOCIETY.

Incorporated September, A. D. 1877.

Capital Stock.....	\$200,000 00
Income for 1878.....	15,000 00
Mortgage Loans.....	23,000 00
Other Loans.....	None.
Number of Members.....	203
Number of Series issued.....	3

NORTH STAR BUILDING SOCIETY.

Incorporated October 18, 1876.

Capital Stock.....	\$200,000 00
Income for 1878.....	12,000 00
Mortgage Loans.....	15,550 00
Other Loans.....	None.
Number of Members.....	115
Number of series issued.....	6

STATE BUILDING ASSOCIATION.

Incorporated March 4, 1878.

Capital stock.....	\$500,000 00
Income for 1878.....	5,000 00
Mortgage loans.....	5,000 00
Other loans.....	None.
Number of members	76
Number of series.....	2

HOMESTEAD BUILDING SOCIETIES.

Incorporated May, 1874.

Capital stock.....	\$425,600 00
Income in 1878.....	\$3,165 00
Mortgage loans on real estate.....	116,350 00
Other loans on stock, $\frac{2}{3}$ of what is paid on stock will be loaned on it temporarily.....	1,500 00
Number of members.....	320 00
Series issued.....	4

*FIFTH WARD BUILDING SOCIETY.

Organized to commence business, December 2d, 1877. St. Paul.

Capital stock.....	\$200,000 00
Average Income, first year.....	12,000 00
Liabilities.....	None.

*No report for 1878.

*SAINT PAUL MUTUAL BUILDING ASSOCIATION NO. 1.

Organized and Incorporated September 1, 1869.

Capital Stock.....	\$450,000 00
Average income per year...	48,000 00
Money loaned on mortgages bearing 6 per cent., payable monthly..	193,000 00
Number of Members.....	350 00
Liabilities....	None.

WEST ST. PAUL BUILDING ASSOCIATION.

Incorporated September, 1874.

Capital Stock	\$500,000 00
Income for 1878, Cash.....	18,089 29
Mortgage Loans.	56,400 00
Other Loans.....	1,000 00
Number of Members.....	220
Number of Series issued,—6.....	216,800 00

MINNEAPOLIS.

MECHANICS' AND WORKINGMEN'S LOAN AND BUILDING
ASSOCIATION.

Incorporated August, 1874.

Capital stock.....	\$ 50,000 00
Income for 1878.....	20,000 00
Mortgage loans.....	15,000 00
Other loans.....	1,000 00
Number of members.....	100
Number of series issued.....	7

HENNEPIN CO. CATHOLIC BUILDING AND LOAN ASSOCIATION.

Incorporated August 20, 1874.

Capital stock.....	\$ 24,919 44
Income for 1878.....	15,159 28
Mortgage loans.....	12,224 09
Other loans.....	336 75
Number of members.....	190
Number of series issued.....	5

*No report for 1878.

TURNERS' BUILDING ASSOCIATION.

Incorporated October 10, 1877.

Capital stock	\$200,000 00
Income for 1878.....	2,712 84
Mortgage loans.....	1,525 00
Other loans.....	258 00
Number of members.....	64
Number of series issued.....	2

MINNEAPOLIS MUTUAL BUILDING AND LOAN ASSOCIATION.

Incorporated in 1873.

Capital stock	\$200,000 00
Income in 1878.....	11,079 81
Bonds and mortgage loans.....	53,200 00
Number of shares	646
Number of series issued.....	5

FARIBAULT BUILDING AND LOAN ASSOCIATION.

Incorporated October 31, 1874.

Capital stock.....	\$300,000 00
Income for 1878.....	932,709 00
Mortgage loans.....	25,400 00
Other loans.....	108,250 00
Number of members	120
Number of series issued.....	6

FARIBAULT BUILDING AND LOAN ASSOCIATION.

Incorporated August 28, 1874.

Capital stock	\$10,000 00
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STILLWATER BUILDING ASSOCIATION.

Incorporated March 31st, 1877.

Capital stock limited to.....	\$500,000 00
Income for 1878.....	13,326 13
Mortgage loans.....	21,300 00
Other loans.....	None.
Number of members	160
Number of series issued.....	2
Capital stock paid up....	\$19,846 13

*DULUTH MUTUAL BUILDING ASSOCIATION.

Incorporated June 15, 1870.

Capital stock \$200,000 00

*RED WING BUILDING ASSOCIATION.

Red Wing. Incorporated April 7th, 1877.

Capital stock \$200,000 00

*No report in 1878.

METEOROLOGICAL SUMMARY.

United States Signal Service Observations for 1878—St. Paul Station. (By permission of War Department.)

DATE.	BAROMETER.									
	Local Observa- tions.	MEAN OF—						RANGE.		
		TELEGRAPHIC OBSERVATIONS.						Highest.	Lowest.	Difference.
		Corrected for temper- ature, instrumental error and elevation.			Corrected for temper- ature and instrumen- tal error only.					
		A. M.	P. M.	Mid- night.	A. M.	P. M.	Mid- night.			
1878.										
January	30.003	30.015	29.990	30.007	29.133	29.122	29.132	30.563	29.533	1.030
February . .	29.905	29.924	29.880	29.910	29.063	29.039	29.057	30.482	29.348	1.134
March.	29.838	29.870	29.793	29.846	29.030	28.982	29.018	30.262	29.328	0.934
April.	29.651	29.684	29.609	29.655	28.866	28.818	28.849	30.032	28.737	1.295
May.	29.823	29.853	29.778	29.832	29.038	28.984	29.022	30.190	29.401	0.789
June.	29.818	29.882	29.777	29.820	29.050	29.002	29.029	30.141	29.374	0.767
July.	27.875	29.905	29.842	29.887	29.115	29.074	27.084	30.140	29.571	0.569
August.	29.811	29.845	29.782	29.810	29.053	29.019	29.027	30.133	29.563	0.570
September .	29.905	29.937	29.865	29.907	29.121	29.078	29.102	30.430	29.260	1.170
October	29.854	29.863	29.819	29.867	29.030	29.007	29.039	30.512	29.189	1.323
November..	29.977	29.993	29.937	29.990	29.139	29.110	29.144	30.395	29.567	0.828
December..	30.052	30.069	30.045	30.077	29.177	29.171	29.191	30.496	29.365	1.131
Sums.	358.513	358.840	358.117	358.608	348.815	348.406	348.694	363.776	352.236	11.540
Annl Means	29.876	29.803	29.843	27.884	29.068	29.034	29.058	30.315	29.353	0.963

GENERAL REMARKS.

January—High mean temperature and barometer. Damp, muddy weather. Very little snow.

February—Mild and cloudy weather.

March—High mean temperature. Mild, pleasant weather prevails.

April—River opened to navigation on 1st. Highest stage of water during the season on 27th (6 feet, 8 inches.)

United States Signal Service Observations for 1878—St. Paul Station. (By permission of War Department.)—Continued.

DATE.	THERMOMETER.							Mean Relative Humidity. (Local Observations.) (Per cent.)
	Local Observa- tions.	MEAN OF—			RANGE.			
		TELEGRAPHIC OBSER- VATIONS.			Maximum.	Maximum.	Difference.	
		A. M.	P. M.	Mid- night.				
1878.								
January.....	22.5	19.0	25.7	22 7	37.0	—13	50	79.7
February.....	31.6	27.0	36.9	31.1	55.0	3	52	72.0
March.....	44.4	37.5	51.9	43.4	64	21	43	65.6
April.....	51.1	44.4	58.6	49.8	76	30	46	58.2
May.....	55.1	49.2	62.0	53.5	79	33	46	56.7
June.....	66.6	60.7	74.3	64.8	87	48	39	69.0
July.....	73.7	68.5	80.5	72.2	96	57	39	72.9
August....	72.0	65.2	80.4	70.1	94	52	42	68.3
September.....	60.6	53.6	69.0	59.0	94	36	58	67.4
October.....	46.3	40.8	51.9	44.2	72	15	57	62.3
November....	38.3	32.3	45.4	36.7	64	15	49	66.2
December.....	19.3	15.7	23.6	18.2	44	—13	57	74.3
Sums.....	581.5	513.9	660.2	565.7	86.2	28.4	57 8	812.6
Annual Means.....	48.5	42.8	55.0	47.1	71.8	23.7	48.1	67.7

GENERAL REMARKS—Continued.

May—Prevailing weather, fair. Low mean temperature.

June—No frost during the month

July—Highest temperature of the season on 16th. Wet weather in latter part of month. No frost.

August—High temperature. No frost.

September—First frost of the season on 10th. High wind on 22d.

United States Signal Service Observations for 1878—St. Paul Station. (By permission of War Department.)—Continued.

DATE.	WIND.							Amount of rain or melted snow. (Inches and hundredths.)	Number of days on which rain or snow fell.	Number of Auroras.
	Prevailing Direction.	NUMBER OF MILES.					Maximum Velocity during month.			
		Noon to 6 P.M.	6 P. M. to mid- night.	Midnight to 6 A. M.	6 A. M. to Noon.	Total.				
1878.										
January.....	SE.	1531	1190	1112	1460	5293	32	1.00	8	1
February.....	N.	1501	1119	889	1176	4685	26	0.67	6	0
March.....	SE.	2278	1405	1482	2024	7189	40	1.24	11	0
April.....	E.	2389	1784	1406	1944	7523	43	2.43	15	0
May.....	NW.	2252	1584	1445	2070	7351	40	2.33	13	0
June.....	SE.	1982	1367	1155	1732	6236	30	3.58	14	0
July.....	SE.	1779	1114	928	1591	5412	36	4.47	12	0
August.....	NW.	1651	981	1012	1343	4987	36	1.43	7	0
September.....	SE.	2019	1256	1287	1688	6250	55	2.13	12	0
October.....	NW.	2508	1799	1696	2109	8112	47	1.85	14	0
November.....	SE.	1693	1313	1173	1466	5645	26	0.61	4	0
December.....	NW.	1600	1356	1334	1496	5786	22	1.04	13	0
Sums.....	.....	23183	16268	14919	20099	74469	.....	22.78	129	1

GENERAL REMARKS—Continued.

October—First snow of the season fell on 18th.

November—Dry, clear weather during most of this month.

December—Navigation closed by ice forming in river on 14th. Lowest stage of water for the season on 3d and 4th (0 feet, 9 inches.) Four inches of snow on ground on 31st. Annual mean temperature unusually high.

STATION—St. Paul, Minn.

R. J. LEWIS,
Sergeant Sig. Ser., U. S. A.

VITAL STATISTICS.

A STUDY OF THE VITAL STATISTICS OF MINNESOTA,

BY

CHARLES N. HEWITT, M. D., SECRETARY OF THE STATE BOARD OF HEALTH.

The following tables are an attempt to present a portion of the evidence of the returns of Births and Deaths, as to the chief causes of mortality, their relations to age, sex, nativity and parent nativity of the deceased, and to seasons of the year.

In addition are given the per cent. of mortality of leading diseases to the mortality of the class to which they belong, and to the total of deaths from all causes. Certain conclusions as to birth rate are also given. These data have been calculated for each year of which we have the vital statistics, and they are averaged per the whole number of years. The grand total of births is 121,700, and of deaths, 45,826.

The greater the number of individual cases for each year will, of course, be the averages derived from them, and with the increase in numbers will be the elimination of the influence of individual errors upon the figures of the mean results. It will be evident, to one familiar with medicine or medical statistics, that not all deaths nor births are reported; that some assigned causes of death are not correct, and that a considerable per cent. of deaths are from unknown cause. In no tables are these errors more apparent than in those relating to consumption and typhoid fever.

A few data necessary to complete a table have been estimated, but, as a rule, the tables represent accurately the returns, upon

which they are based. No attempt has been made to "correct" them or make them appear other than they are.

The causes of the defects in the statistics are chiefly the incompleteness or carelessness of the original collectors or the county clerks, whose business it is to collect the town returns. Under the present system these returns are paid for before the commissioner has received or had time to examine the reports. It is so practically impossible for him to enforce their completion or correction.

The compensation given by the State for the correction of the original returns of births and deaths, is enough to secure the services of competent physicians for the work.

Were they employed, it is evident that greater accuracy would result, because of the familiarity with the subject.

Amendment of the present law in the above particulars, would greatly facilitate the labor of those who have to work out of these returns of isolated facts, the evidence which the State pays thousands of dollars to obtain.

It is proposed to begin the study of the returns for 1878 as soon as they are received at the commissioner's office. It is only by beginning thus early that time is afforded for their careful compilation, and the classification and comparison of the results. The writer has promised to make the study upon the above conditions.

The general tables, compiled by the commissioner, came into his hands so recently that he has hardly had time to compile the special tables herewith presented. To one familiar with the subject, or instructed in the evidence these statistics give as to causes of ill health, acute disease and premature death among our population, they will prove interesting, and their value will be recognized. It can be made much greater if physicians and health officers will interest themselves in making the original returns as full and complete as possible.

BIRTHS AND DEATHS AND DAILY NATURAL INCREASE OF POPULATION FOR 1877.

Births.....	21,799
Deaths.....	6,599
Excess of Births over Deaths or natural increase of Population is....	15,200
Average daily natural increase by births	59.72
Average daily loss by deaths.....	18.07
Daily natural increase is.....	41.65

BIRTHS, AND PER CENT. OF EACH SEX.

There was reported 1877:

Living births.....	21,799	
Males.....	11,039	50.63 per cent.
Females.....	10,686	49.02 per cent.
Not stated.....	74	0.33 per cent.

TOTAL FOR SEVEN YEARS, WITH AVERAGE DAILY INCREASE OF POPULATION.

Births.....	124,710
Deaths.....	45,826
Excess of births over deaths, or natural increase of population.....	78,884
Average daily natural increase by births.....	48.81
Average daily loss by deaths.....	17.93
Average daily natural increase was.....	30.88

LIVING BIRTHS FOR SEVEN YEARS, AND PER CENT. OF SEX TO TOTAL.

Born alive.....	125,039
Males.....	64,316 Per cent. of total 51.44
Females.....	60,723 Per cent. of total 48.56

TABLE TWO.

Showing the proportion of the sexes among Births for eight years, by years, and the average compared with that of Massachusetts for nineteen years.

YEAR.	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1871-77.		Massachu- setts aver- age for 19 years.	Per cent. of sex to total by sex.
	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Annual Average.		
Born alive.....											
	Males.....	7,088	8,825	9,215	9,576	10,819	11,039	64,316	9,188	.....	51.41
	Females.....	6,715	8,179	8,616	9,073	10,311	10,686	60,723	8,674	.....	48.56
Males to 100 Females											
	.....	155	119	108	75	75	74	671	95	.....	.....
	.....	105.5	107.8	106.9	105.5	101.8	103.3	.....	105.7	105.8	.....
Still born.....											
	Males.....	60	56	46	75	93	133	363	51	.....	53.30
	Females.....	34	50	31	57	70	76	318	45	.....	46.70
Males to 100 Females.....											

	.....	176	112	148	131	132	175	111.11	.....	146.6	.....
Illegitimate.....											
	Males.....	38	35	46	52	54	52	312	44	.....	49.60
	Females.....	43	40	31	47	49	59	317	45	.....	50.40
Males to 100 Females.....											

	.....	88	78	148	110	110	88	97.7	.....	96.2	.....

TABLE THREE.

Births by parent nativity for seven years, with totals and per cent for each year and average per cent for seven years.

NATIVITY OF PARENTS.	1871.		1872.		1873.		1874.	
	Total.	Per cent.	Total.	Per cent.	Total.	Per cent.	Total.	Per cent.
American.....	3683	26.38	3893	26.05	4261	25.	4359	24.
Foreign.....	9187	58.29	8635	57.71	11286	66.	11922	66.
One foreign parent.	1088	7.79	1266	8.47	1576	9.	1658	10.

NATIVITY OF PARENTS.	1875.		1876.		1877.		1871-77.	
	Total.	Per cent.	Total.	Per cent.	Total.	Per cent.	Grand Total.	Average Per cent.
American.....	4633	24.74	5447	24.74	5249	24.07	31330	24.99
Foreign.....	11277	65.56	13721	64.71	14111	64.73	80139	63.28
One foreign parent.	1815	9.70	2237	10.55	2439	11.18	12079	9.52

Per cent of Foreign and American Births from 1871 to 1877 inclusive.

American.....	31,330	24.99
Foreign.....	80,139	63.28
One foreign parent.....	12,079	9.52

Death Rate for Six Years with Number Living to one Death.

YEARS.	Population.	Deaths to 100 Living.	No. Living to 1 Death.
1870.....	439,706	.802	124
1871.....	482,676	.971	103
1872.....	505,119	1.035	0.96
1873.....	552,459	1.043	0.95
1875.....	597,407	1.014	0.98
1877.....	675,000	0.977	102
Average for six years.....	.....	.973	103

DEATHS IN MINNESOTA.

Quarterly Rates for three years, and average of three years, compared with same average in Michigan for five years.

Deaths registered in quarter ending	1875.		1876.		1877.		Average in three years.		In Michi- gan.*
	Deaths	Pr.ct. to total.	Deaths	Pr.ct. to total.	Deaths	Pr.ct. to total.	Deaths	Pr.ct. to total.	
March.....	1,557	25.68	1,551	21.73	1,526	23.12	4,634	23.51	18.66
June.....	1,364	22.48	1,479	20.99	1,416	21.60	4,259	21.35	20.80
September.....	1,556	25.67	2,194	31.15	1,880	28.43	5,650	28.41	33.11
December.....	1,467	24.20	1,771	25.14	1,718	26.03	4,956	25.12	26.92

*Sixth Registration Report, p. 158.

Total of Deaths by Ages with Per Cent. to Total Deaths for Seven Years.

	1871.		1872.		1873.		1874.		1875.		1876.		1877.		1871-77.	
	Total.	Pr. ct.	Total.	Pr. ct.	Total.	Pr. ct.	Total.	Pr. ct.	Total.	Pr. ct.	Total.	Pr. ct.	Total.	Pr. ct.	Ave. of Total.	Ave. of Pr. ct.
Total Deaths..	4,694		5,228		5,766		6,909		6,081		7,043		6,599			
AGES.																
2 under 2.....	...	*39.73	2,038	40.13	1,723	29.88	2,988	43.26	2,464	40.63	3,113	44.19	2,687	40.70	15,073	39.73
2 to 5.....	...	*4.81	200	4.97	208	3.60	230	4.29	315	5.03	393	5.37	359	5.44	1,825	4.81
Under 5.....	2,079	44.29	2,358	45.10	1,931	33.48	3,278	47.44	2,779	45.67	3,506	49.76	3,046	46.15	18,977	44.40
5 to 10.....	...	*14.42	203	5.00	274	4.75	369	5.34	285	4.66	348	4.79	386	5.84	1,955	4.42
10 to 15.....	...	*3.19	163	3.11	180	3.12	214	3.09	186	3.06	218	3.09	246	3.72	1,207	3.19
15 to 20.....	...	*3.96	224	4.28	214	3.71	258	3.72	254	4.10	280	3.96	250	3.94	2,138	3.96
20 to 30.....	...	*7.93	472	9.02	457	7.92	526	7.61	496	8.01	512	7.27	511	7.74	2,974	7.93
30 to 40.....	...	*6.40	350	6.69	380	6.59	425	6.15	374	6.10	465	6.46	425	6.44	3,160	6.40
40 to 50.....	...	*5.50	287	5.48	333	5.77	387	5.60	391	5.96	395	5.45	351	5.31	2,114	5.59
50 to 60.....	...	*5.01	245	4.68	231	4.90	316	4.57	324	5.33	358	5.08	385	5.53	2,308	5.01
60 to 70.....	...	*4.44	231	4.41	223	3.86	312	4.51	308	5.08	300	4.25	319	4.60	1,693	4.44
70 to 80 and upwards.....	...	*5.80	260	4.97	275	4.76	311	4.50	440	7.22	413	5.85	499	7.56	2,605	5.80
Unknown.....	353	7.52	345	6.60	152	2.63	488	6.77	254	4.17	248	3.50	191	2.89	2,011	4.86

* Estimated.

Deaths by Sex with Per Cent. to Total Deaths.

	Seven years—1871-77.		1877.	
	Totals.	Per Cent. to Total.	Total.	Per Cent.
Males	22,975	54.31	8,569	54.08
Females	19,325	45.68	3,030	45.91
Total	42,300	100.00	6,599	100.00
Average for 9 years—				
Males	25,518	54.37	.....	.....
Females	21,417	45.63	.....	.....
Total	46,935	.....	.....	.....

Birth and Deaths of Certain Counties, with Per Cent. to Population for 1875.

COUNTIES.	Population	Total Births.	Per Cent.	Total Deaths.	Per Cent.
Carver	13,033	422	3.23	155	1.18
Le Sueur	13,237	335	2.53	136	1.02
Hennepin	43,725	1,676	3.43	723	1.49
Ramsey	36,333	1,415	3.89	513	1.41

The above table was made up to show comparative birth and death rate to population of counties without and with large towns. Carver and Le Sueur being agricultural counties; Hennepin and Ramsey containing Minneapolis and St. Paul.

Mortality by Sex in certain Diseases—Average of eight years.

		Per cent.
Consumption—Males.....	2,312	49.09
Females.....	2,391	50.91
Total.....	4,710	
Pneumonia—Males.....	1,088	58.15
Females.....	783	41.85
Total.....	1,871	
Convulsions (average of six years)—Males.....	667	56.11
Females.....	520	43.89
Total.....	1,187	
Premature birth and debility (average of six years)—Males..	1,193	57.39
Females.....	886	42.61
Total.....	2,079	

	1870.				1871.				1872.			
	TOTAL DEATHS, 3,526.				TOTAL DEATHS, 4,694.				TOTAL DEATHS, 5,228.			
	Male.	Female.	Total.	Per cent to total.	Male.	Female.	Total.	Per cent to total.	Male.	Female.	Total.	Per cent to total.
Consumption.....	239	220	459	13.02	229	218	445	9.48	260	239	499	9.54
Pneumonia.....	*103	*74	177	5.02	*136	*98	*234	*4.98	104	75	179	3.42
Convulsions.....	..	..	..	..	..	..	..	..	82	65	147	2.81
Premature birth and debility..	..	..	..	..	..	..	..	..	82	62	144	2.75
Childbirth.....	..	..	..	..	..	..	..	..	..	..	..	..
Stillborn.....	..	..	..	..	..	..	..	..	..	..	..	..

*Estimated.

	1873.				1874.				1875.			
	TOTAL DEATHS, 5,766.				TOTAL DEATHS, 6,909.				TOTAL DEATHS, 6,061.			
	Male.	Female.	Total.	Per cent to total.	Male.	Female.	Total.	Per cent to total.	Male.	Female.	Total.	Per cent to total.
Consumption.....	285	277	562	9.74	306	335	641	9.27	311	310	621	10.24
Pneumonia.....	109	68	177	3.06	139	119	258	3.71	189	115	304	5.01
Convulsions.....	116	88	204	3.53	121	87	208	3.01	110	83	193	3.18
Premature birth and debility..	101	79	180	3.12	109	86	195	2.82	173	116	289	4.76
Childbirth.....	..	..	..	..	..	..	101	1.44	..	..	..	..
Stillborn.....	..	..	..	..	..	..	..	..	75	57	132	2.17

	1876.				1877.				1870-77.			
	TOTAL DEATHS, 7,043.				TOTAL DEATHS, 6,599.				GRAND TOTAL DEATHS, 45,826.			
	Male.	Female.	Total.	Per cent to total.	Male.	Female.	Total.	Per cent to total.	Male.	Female.	Grand Total.	Per cent to total.
Consumption.....	338	407	745	10.57	344	394	738	11.18	2312	2398	4710	10.28
Pneumonia.....	188	140	328	4.65	120	94	214	3.24	1088	783	1871	4.08
Convulsions.....	124	102	226	3.20	114	95	209	3.16	667	520	1187	2.59
Premature birth and debility..	373	308	681	9.66	355	235	590	8.94	1193	886	2079	4.54
Childbirth.....	.....	.....	120	1.70	.....	87	87	1.31	.....	308	308	.67
Stillborn.....	93	70	163	2.31	133	76	209	3.16	301	203	504	1.10

The following table has been prepared to discover the percentage of deaths from diseases of the zymotic class (those most common and liable to become epidemic) to total deaths. There each disease is reported for each year, with death rate by sex and the per cent. of total of each disease to total deaths from all causes. These results are also averaged for eight years.

To illustrate its value, take diphtheria as present endemic in many localities. In 1873, it caused but a fraction of one per cent. of our total mortality. The record is but printed in tabular form, and by comparison with scarletina:

<i>Year.</i>	<i>Scarletina. Per cent. to total deaths.</i>	<i>Diphtheria, per Cent to deaths.</i>
1873.....	3.62	0.75
1874.....	3.37	3.46
1875.....	4.37	3.62
1876.....	5.13	5.36
1877.....	3.28	5.66
Average of eight years.....	4.34	3.10

The comparison is important as showing that Diphtheria has no regular average for it of total deaths while Scarletina has. The first is occasional in its marked occurrence, the last is constant but subject to such marked variations as the first.

The diseases of this class are becoming more and more amenable to sanitary control, i. e. we can do more to prevent them than ever before, and therefore mortality is to some extent an evidence of our work in this direction. Proof that we are using or neglecting the means at our disposal.

DISEASES ZYMOTIC.	1870.				1871.				1872.						
	Total of Class, 1,280.		Total deaths 3,526.		Per cent of Class to total, 35.99.		Total deaths, 4,694.		Per cent of Class to total, 2,448.		Total deaths, 5,228.		Per cent of Class to total, 38.07.		
	Male.	Female.	Total.	Per cent to class.	Per cent to total.	Male.	Female.	Total.	Per cent to class.	Per cent to total.	Male.	Female.	Total.	Per cent to class.	Per cent to total.
Small pox	24	12	36	2.80	1.20	63	3	66	5.74	1.40	199	8	207	10.90	3.95
Measles.....	49	48	97	7.65	2.70	10	9	19	1.65	0.40	19	19	38	2.01	0.72
Scarlatina.....	129	109	238	18.80	6.75	178	157	335	29.15	7.13	139	122	261	13.80	4.99
Diphtheria.....	31	32	63	5.00	1.70	32	30	62	5.39	1.32	21	20	41	2.17	0.78
Croup.....	41	29	70	5.50	1.90	34	34	68	5.91	1.44	30	30	60	3.12	1.12
Typhoid fever.....	156	118	274	21.74	7.77	230	187	417	36.29	8.89	183	132	315	16.71	6.02
Dysentery.....	46	42	88	6.65	2.38	29	22	51	4.43	1.08	80	61	141	7.47	2.69
Diarrhoea.....	54	58	112	8.80	3.14	.....	.....	.....	.....	.....	150	46	196	9.20	3.33
Cholera Infantum.....	50	58	108	8.57	3.06	.....	.....	.....	.....	.....	156	119	269	14.26	5.12
Cerebro-Spinal Meningitis.....	1	.....	1	0.78	0.28	13	11	24	2.03	0.51	40	36	76	4.02	1.28

DISEASES ZYMOTIC.	1873.					1874.					1875.				
	Total of		Total deaths, 5,766.	Per cent of Class to total, 29.74.	Per cent to class.	Per cent to total.	Total of		Total deaths, 6,909.	Per cent of Class to total, 31.76.	Total of		Total deaths, 6,061.	Per cent of Class to total, 26.86.	
	Class, 1,715.	Male.					Female.	Class, 2,154.			Male.	Female.			Class, 1,638.
	Male.	Female.	Total.	Per cent to class.	Per cent to total.	Male.	Female.	Total.	Per cent to class.	Per cent to total.	Male.	Female.	Total.	Per cent to class.	Per cent to total.
Small pox.....	28	19	47	2.74	0.81	3	9	8	0.35	0.11	47	39	86	5.25	1.41
Measles.....	18	16	34	1.98	0.58	22	16	38	1.73	0.55	127	108	235	16.28	4.37
Scarlatina.....	120	89	209	12.18	3.62	124	109	233	10.61	3.37	118	108	226	13.88	3.62
Diphtheria.....	35	20	55	3.20	0.75	122	113	235	10.71	3.40	74	51	125	7.68	2.06
Croup.....	47	29	76	4.43	1.31	54	33	87	3.96	1.25	107	109	216	13.21	3.56
Typ.oid fever.....	129	156	285	16.61	4.94	183	143	326	14.85	4.71	107	109	216	13.21	3.56
Dysentery.....	58	23	81	4.72	1.40	76	60	136	6.19	1.96	44	28	72	4.40	1.18
Diarrhoea.....	96	57	153	8.92	2.65	137	73	210	9.57	3.03	17	16	33	2.01	0.54
Cholera Infantum.....	130	117	247	14.40	4.28	216	192	408	18.59	5.90	178	105	283	17.33	4.67
Cerebro-Spinal Meningitis.....	70	72	142	8.27	2.46	25	33	58	2.64	0.83	24	21	45	2.75	0.74

Deaths by Nativity and Sex—Average number per annum for Six Years, with per cent.

	Average for six years—1877-71.	1877.			1875.			1874.		
		Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Whole number.....	5,876	.....	.....	.....	.....	.....	.....	.....	.....	.....
American.....	4,253	2,730	2,312	5,042	2,329	1,970	4,329	2,733	2,329	5,062
Foreign.....	1,430	839	718	1,557	673	561	1,234	867	732	1,599
Not stated.....	193	.....	.....	.....	258	240	498	140	108	248
PER CENT. OF SAME.										
American.....	71.02	41.37	35.03	.....	38.92	32.50	.....	38.11	28.51	.....
Foreign.....	24.61	12.72	10.88	100.00	11.10	9.26	.....	12.55	10.59	.....
Not stated.....	3.22	.....	.....	.....	4.26	3.96	100.00	2.03	1.56	100.00

	Average for six years—1877-71.	1873.			1872.			1871.		
		Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Whole number.....
American.....	2,263	1,836	4,099	2,029	1,717	3,746	.....	.....	3,239
Foreign.....	826	639	1,465	705	567	1,272	.....	.....	1,455
Not stated.....	114	88	202	116	94	210	.....	.....	.....
PER CENT. OF SAME.										
American.....	39.24	31.84	.....	38.81	32.84	.....	.....	.....	69.00
Foreign.....	14.15	11.08	.....	13.48	10.84	.....	.....	.....	31.00
Not stated.....	1.87	1.52	100.00	2.23	1.79	100.00	.....	.....	100.00

This and the following tables demonstrates the necessity for a knowledge of the nativity and parent nativity of the dead.

TYPHOID FEVER.

Table showing per cent by quarters to annual death rate for each year, and the average of five years.

PERCENTAGE BY QUARTERS TO ANNUAL DEATH RATE.

	1877.	1875.	1872.	1871.	1870.
	Per cent to total.	Per cent to total.	Per cent to total.	Per cent to total.	Per cent to total.
Quarter ending March.....	9.02	26.39	12.38	25.49	19.71
Quarter ending June.....	16.47	12.96	11.74	16.02	15.06
Quarter ending September.....	28.24	23.15	29.23	28.16	25.80
Quarter ending December.....	45.89	37.04	44.13	30.34	37.63

AVERAGE PER CENT OF DEATHS BY QUARTERS FOR FIVE YEARS TO AVERAGE ANNUAL DEATH RATE.

Quarter ending March.....	18.60
Quarter ending June.....	14.45
Quarter ending September.....	26.92
Quarter ending December.....	30.19

CONSUMPTIVES.

Table showing per cent. by quarters to annual death rate for each year, and the average of five years.

PERCENTAGE OF DEATHS BY QUARTERS TO TOTAL ANNUAL DEATH RATE.

	1877.	1875.	1874.	1873.	1872.
	Per cent to total.	Per cent to total.	Per cent to total.	Per cent to total.	Per cent to total.
Quarter ending March.....	26.02	29.31	23.56	24.38	24.84
Quarter ending June.....	26.02	24.80	26.05	26.69	25.45
Quarter ending September.....	21.54	20.93	24.18	26.33	23.44
Quarter ending December.....	26.15	23.83	24.96	21.17	25.25

AVERAGE PER CENT. OF DEATHS BY QUARTERS TO AVERAGE ANNUAL
DEATH RATE FOR FIVE YEARS.

Quarter ending March.....	25.62
Quarter ending June.....	25.80
Quarter ending September.....	23.28
Quarter ending December.....	24.27

Measles, Scarlet Fever and Diphtheria, 1877.

Brown county suffered from Diphtheria.....	18 per cent of her death loss.
Carver " " " " " " " " " " " "	21 " " " " " "
Chisago " " " " " " " " " " " "	Scarlet Fever.....15 " " " " " "
Dakota " " " " " " " " " " " "	7 " " " " " "
Douglas " " " " " " " " " " " "	14 " " " " " "
Fillmore " " " " " " " " " " " "	Diphtheria.....22 " " " " " "
" " " " " " " " " " " "	Scarlet Fever.....7 " " " " " "
Houston " " " " " " " " " " " "	6 " " " " " "
" " " " " " " " " " " "	Measles.....7 " " " " " "
Isanti " " " " " " " " " " " "	Scarlet Fever.....21 " " " " " "

VITAL STATISTICS.

As Compiled by the Commissioner, from Official Sources.

BIRTHS.

Total births in 1877.....	21,799	
Total deaths in 1877....	6,599	
Excess of births.....		15,200
Total births in 1876.....	21,205	
Total deaths in 1876.....	7,043	
Excess of births in 1876.....		14,172
Excess of births in 1877 over 1876.....		1,023

THE COUNTIES HAVING THE LARGEST NUMBER OF BIRTHS AND DEATHS ARE:

COUNTIES.	Births.	Deaths.	Excess of births to deaths. Natural in- crease of population.
Blue Earth.....	605	201	404
Fillmore.....	929	411	518
Goodhue.....	1,027	333	694
Hennepin.....	2,121	613	1,508
Houston.....	564	212	352
Mower.....	505	178	327
Olmsted.....	633	246	387
Otter Tail.....	532	89	443
Ramsey.....	1,573	478	1,095
Rice.....	672	214	458
Stearns.....	699	210	489
Wabasha.....	511	181	330
Washington.....	529	151	378
Winona.....	820	307	513

PECULIARITIES.

TWIN BIRTHS.

Males.....	271
Females.....	253
Total...	524

TRIPLLET BIRTHS.

	Male.	Female.
Mower county.....	2	1

NATIONVLITY OF PARENTS.

Births of American parentage.....	5,249
Births of German parentage.....	5,280
Births of Norwegian parentage.....	3,489
Births of Swede parentage.....	1,895
Births of Irish parentage.....	1,096
Births of Canadian parentage.....	627
Births of Slavonic parentage.....	241
Births of American father and Foreign mother	808
Births of American mother and Foreign father.....	1,631

BIRTHS, 1877—GENERAL TABLE.

Table exhibiting the Sex, Condition (as twins or illegitimate), and the Parentage of Children, born in the several Counties of Minnesota, in the year 1877.

COUNTIES.	No. of Births.	SEX.			TWINS.		ILLEGITIMATE.	
		Male.	Female.	Not Reported.	Males.	Females.	Males.	Females.
Anoka.....	225	111	114	.....	4	.....	.....	2
Becker.....	100	54	46	.....	.....	.....	.....	.....
Benton.....	87	49	37	1	3	5	2	1
Big Stone.....	20	13	5	2	.....	.....	.....	1
Blue Earth.....	605	325	272	8	5	9	1	1
Brown.....	445	233	212	.....	4	2	1	.....
Carlton.....	26	18	8	.....	.....	.....	1	.....
Carver.....	423	223	200	.....	8	4	1	4
Chippewa.....	120	50	65	5	.....	4	.....	.....
Chisago.....	218	118	100	.....	2	2	1	.....
Clay.....	100	43	57	.....	.....	2	1	1
Crow Wing.....	33	16	17	.....	.....	.....	.....	.....
Cottonwood.....	109	52	57	.....	3	3	.....	.....
Dakota.....	421	226	195	.....	2	.....	.....	2
Dodge.....	305	156	149	.....	3	3	1	.....
Douglas.....	242	133	109	.....	6	6	1	1
Faribault.....	308	154	154	.....	3	5	1	.....
Fillmore.....	929	514	415	.....	11	3	.....	1
Freeborn.....	463	208	255	.....	1	5	4	5
Goodhue.....	1,027	517	506	4	9	13	1	1
Grant.....	53	24	29	.....	.....	2	.....	.....
Hennepin.....	2,121	1,081	1,036	4	23	11	1	3
Houston.....	564	272	290	2	3	9	1	3
Isanti.....	172	88	84	.....	2	.....	1	.....
Jackson.....	160	87	73	.....	5	9	.....	.....
Kandiyohi.....	357	174	183	.....	2	8	.....	1
Lac qui Parie.....	72	41	31	.....	2	.....	1	.....
Le Sueur.....	441	215	226	.....	6	6	1	1
Lyon.....	90	47	53	.....	3	1	.....	.....
McLeod.....	316	178	138	.....	8	6	.....	2
Martin.....	128	64	64	.....	5	3	.....	.....
Meeker.....	397	212	184	1	11	3	2	2
Miller.....	37	20	17	.....	.....	.....	.....	.....
Mille Lacs.....	173	97	74	2	.....	.....	.....	1
Morrison.....	505	256	249	.....	*17	8	2	1
Mower.....	53	28	25	.....	2	.....	.....	1
Murray.....	395	222	173	.....	4	.....	.....	1
Nicollet.....	94	43	51	.....	1	1	.....	.....
Nobles.....	633	311	322	.....	9	11	1	2
Olustee.....	532	260	268	4	9	9	.....	.....
Otter Tail.....	18	11	7	.....	.....	.....	.....	.....
Pine.....	96	49	47	.....	.....	2	.....	.....
Polk.....	198	98	100	.....	3	3	1	.....
Pope.....	1,573	690	879	4	12	16	4	3
Ramsey.....	128	71	57	.....	2	2	.....	.....
Redwood.....	334	143	183	8	10	4	.....	.....
Renville.....	672	334	338	.....	8	6	4	.....
Rice.....	79	41	38	.....	.....	.....	.....	.....
Rock.....	32	22	10	.....	.....	.....	.....	.....
St. Louis.....	411	188	217	6	2	10	1	.....
Scott.....	107	48	56	3	4	2	1	1
Sherburne.....	334	187	147	.....	1	1	.....	1
Sibley.....	699	365	333	1	2	6	3	2
Stearns.....	355	182	173	.....	4	4	1	2
Steele.....	48	27	14	7	2	.....	.....	.....
Stevens.....	189	94	91	4	3	3	3	1
Swift.....	182	94	88	.....	1	5	.....	.....
Todd.....	511	275	234	2	8	6	1	.....
Wabasha.....	268	158	110	.....	4	.....	1	2
Waseca.....	529	268	258	3	14	6	.....	1
Washington.....	159	80	79	.....	2	6	.....	.....
Watsonwan.....	820	409	411	.....	6	6	5	6
Winona.....	427	222	202	3	5	9	.....	.....
Wright.....	131	60	71	.....	2	2	1	.....
Yellow Medicine.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	21,799	11,039	10,686	74	273	254	52	59

* Two male, 1 female—Triplets.

BIRTHS, 1877—GENERAL TABLE—Continued.

COUNTIES.	NATIONALITY OF PARENTS.									
	American.	Am. Father. For. Mother.	For. Father. Am. Mother.	Germans.	Norwegians.	Swedes.	Irish.	Canadians.	Slavonians.	Other Coun- tries not Reported.
Anoka.....	72	17	28	16	8	27	18	35	.....	4
Becker.....	28	4	7	4	31	12	.....	3	.....	11
Benton.....	85	2	11	13	1	3	2	6	5	9
Big Stone.....	5	2	.....	.....	4	5	.....	1	.....	3
Blue Earth.....	182	27	90	194	32	12	20	9	.....	39
Brown.....	37	4	25	268	44	5	4	2	.....	56
Carlton.....	11	.....	2	.....	3	6	.....	2	1	1
Carver.....	11	16	34	250	1	62	14	.....	1	34
Chippewa.....	12	5	10	1	78	10	1	3	.....	.....
Chisago.....	34	6	14	19	.....	129	2	3	.....	11
Clay.....	15	4	9	2	39	12	.....	2	5	12
Crow Wing.....	13	1	5	.....	.....	4	2	1	1	6
Cottonwood.....	30	1	1	4	15	.....	1	2	49	6
Dakota.....	143	13	45	129	19	11	45	3	.....	13
Dodge.....	140	3	21	35	58	1	7	3	.....	37
Douglas.....	46	7	17	44	51	49	5	2	1	20
Faribault.....	127	12	29	52	66	1	4	4	.....	13
Fillmore.....	256	35	78	47	401	2	35	10	.....	65
Freeborn.....	102	12	18	39	197	1	20	4	.....	70
Goodhue.....	174	37	52	165	297	247	14	3	.....	38
Grant.....	4	2	4	1	37	2	.....	1	.....	2
Hennepin.....	551	80	112	423	198	175	169	98	2	313
Houston.....	114	16	45	125	176	11	51	7	.....	19
Isanti.....	29	1	6	15	.....	114	.....	1	.....	6
Jackson.....	33	5	7	20	86	3	.....	2	.....	4
Kandiyohi.....	48	9	4	3	151	115	4	5	.....	18
Lac qui Parle.....	5	1	4	4	56	1	.....	.....	1	.....
Le Sueur.....	114	12	36	204	4	40	8	.....	.....	23
Lyon.....	30	8	4	3	35	2	1	.....	.....	7
McLeod.....	78	10	12	163	11	5	4	5	8	14
Martin.....	78	2	4	17	7	6	4	4	.....	6
Meeker.....	126	15	30	34	31	112	16	9	.....	24
Miller Lacs.....	25	.....	1	4	2	.....	.....	4	.....	1
Morrison.....	14	5	15	72	5	2	5	18	4	33
Mower.....	153	31	58	52	138	11	25	13	3	21
Murray.....	21	2	5	2	13	8	.....	.....	.....	1
Nicollet.....	37	11	49	142	47	80	12	6	.....	11
Nobles.....	42	4	9	10	9	11	2	2	.....	5
Olmsted.....	284	30	67	91	62	4	50	7	.....	38
Otter Tail.....	48	16	39	114	214	46	9	7	4	35
Pine.....	9	.....	1	0	.....	2	.....	.....	.....	.....
Polk.....	21	3	5	.....	47	7	2	4	.....	7
Pope.....	26	10	15	5	108	19	4	3	.....	8
Ramsey.....	414	46	39	601	31	92	158	116	14	62
Redwood.....	43	9	15	19	13	5	2	7	.....	15
Renville.....	40	10	24	68	130	27	20	5	2	8
Rice.....	172	48	68	162	81	15	54	52	.....	20
Rock.....	27	7	10	1	25	.....	1	1	.....	7
St. Louis.....	3	3	1	8	1	2	.....	.....	.....	14
Scott.....	47	8	35	193	17	12	45	10	.....	42
Sherburne.....	43	2	17	1	6	6	3	6	.....	23
Sibley.....	28	5	30	160	10	35	42	16	.....	8
Stearns.....	119	21	63	365	18	11	19	15	.....	68
Steele.....	110	20	25	85	29	3	11	8	5	59
Stevens.....	10	.....	7	.....	18	4	7	1	.....	1
Swift.....	27	2	7	12	99	27	8	1	.....	6
Todd.....	72	17	13	33	23	11	.....	4	5	4
Wabasha.....	165	31	74	139	16	19	33	10	2	22
Waseca.....	95	8	12	65	25	18	25	.....	12	8
Washington.....	90	92	56	168	8	106	21	39	.....	19
Watonswan.....	23	.....	19	10	47	40	3	3	.....	14
Winona.....	230	38	60	312	15	9	40	9	77	30
Wright.....	106	18	22	81	5	111	11	21	39	13
Yellow Medicine.....	12	6	14	1	90	1	.....	1	.....	6
Total.....	5,249	808	1,631	5,280	3,489	1,895	1,096	627	241	1,483

TABLE I.

BIRTHS BY SEX.

	1877.	1876.	1875.	1874.	1873.
Male	11,039	10,819	9,576	9,215	8,825
Female.....	10,686	10,311	9,073	8,616	8,179
Sex not reported.....	74	75	75	108	119
Total	21,799	21,205	18,725	17,939	17,123

TABLE II.

BIRTHS BY NATIVITY OF PARENTS.

	1877.	1876.	1875.	1874.	1873.
Both Americans.....	5,249	5,247	4,633	4,359	4,261
Foreign mother.....	808	757	585	527	519
American mother.....	1,631	1,480	1,230	1,131	1,057
German.....	5,280	5,268	4,597	3,972	3,632
Norwegians.....	3,489	3,426	2,887	2,708	2,443
Swedish	1,895	1,720	1,517	1,381	1,256
Irish.....	1,096	1,188	1,192	1,137	1,227
Canadian.....	627	633	567	590	636
Slavonians	241	226	.....	.....	.....
Not reported.....	1,483	1,260	1,517	2,134	2,092
Total.....	21,799	21,205	18,725	17,939	17,123

TABLE III.

TWIN BIRTHS.

	1877.	1876.	1875.	1874.	1873.
Twins, male	271	274	201	226	199
Twins, females	253	276	195	161	185
Total	524	550	396	387	384

TABLE IV.

ILLEGITIMATE BIRTHS.

	1877.	1876.	1875.	1874.	1873.
Male	52	54	52	46	35
Female	59	49	47	31	48
Total	111	103	99	77	83

TABLE V.

WHOLE NUMBER BORN OF PARENTS OF EACH NATIONALITY. AND PER-
CENTAGE OF EACH TO WHOLE NUMBER OF BIRTHS AND TO
ESTIMATED POPULATION TO EACH NATIONALITY.

	Estimated population in 1877, 675,000	Number of births in 1873, 17,123.	Number of births in 1874, 17,939.	Number of births in 1875, 18,725.	Number of births in 1876, 21,205.	Number of births in 1877, 21,799.
	Per cent of births in 1877 to esti- mated population	Per cent.	Per cent.	Per cent.	Per cent.	Per cent.
American.....	5.	25.	24.	24.74	24.74	24.07
American father..	}	9.	10.	9.70	10.55	11.18
American mother..						
German.....	28.	21.	22.	24.55	24.84	24.23
Norwegians.....	36.	14.	15.	15.41	16.16	16.00
Swede.....	63.	7.	7.	8.10	8.11	8.78
Irish.....	86.	7.	6.	6.36	5.60	5.02
Canadian.....	104.	4.	3.	3.04	2.99	2.89
Slavonians.....	}	}	}	}	1.07	1.01
Other countries...						
Total.....	76.	13.	13.	8.10	5.94	6.80
Total.....		100.	100.	100.00	100.00	100.00

GENERAL TABLE.

Births and Deaths in 1877.

COUNTIES.	Births.	Deaths.	Per cent of Deaths to Births.	Natural increase of population
Totals.....	21,799	6,599	30.27	15,200
Anoka.....	225	59	26.22	166
Becker.....	100	17	17.00	83
Benton.....	87	20	23.10	67
Big Stone.....	20	3	15.00	17
Blue Earth.....	605	201	33.22	404
Brown.....	445	143	32.13	302
Carlton.....	26	8	30.77	18
Carver.....	423	149	35.22	274
Chippewa.....	120	24	20.00	104
Chisago.....	218	59	27.01	159
Clay.....	100	16	16.00	84
Crow Wing.....	33	11	33.33	22
Cottonwood.....	109	21	19.27	88
Dakota.....	421	170	40.38	251
Dodge.....	305	100	32.79	205
Douglass.....	242	100	41.32	142
Faribault.....	308	73	23.70	235
Fillmore.....	929	411	44.24	518
Freeborn.....	463	128	27.65	335
Goodhue.....	1,027	333	32.42	694
Grant.....	53	9	16.98	44
Hennepin.....	2,121	613	28.90	1,508
Houston.....	564	212	37.59	352
Isanti.....	172	43	25.00	129
Jackson.....	160	34	21.25	134
Kanabec.....				
Kandiyohi.....	357	64	17.92	293
Lac qui Parle.....	72	11	16.27	61
Lake.....				
Le Sueur.....	441	147	33.33	294
Lincoln.....				
Lyon.....	90	22	24.44	68
McLeod.....	316	66	20.88	250
Martin.....	128	20	15.62	108
Meeker.....	397	98	24.69	299
Mille Lacs.....	37	7	18.92	30
Morrison.....	173	27	15.61	146
Mower.....	505	178	35.25	327
Murray.....	53	11	20.75	42
Nicollet.....	395	155	39.24	240
Nobles.....	94	22	23.40	72
Olmsted.....	633	246	38.86	387
Otter Tail.....	532	89	16.73	443
Pine.....	18	13	72.22	5
Polk.....	96	39	40.62	57
Pope.....	198	44	22.22	154
Ramsey.....	1,573	478	30.39	1,095
Redwood.....	128	24	18.72	104
Renville.....	334	68	20.36	266
Rice.....	672	214	31.85	455
Rock.....	79	22	27.85	57
St. Louis.....	32	8	25.00	24
Scott.....	411	124	30.17	287
Sherburne.....	107	33	30.84	74
Sibley.....	334	88	26.35	246
Stearns.....	699	210	30.04	489
Steele.....	355	103	29.01	252
Stevens.....	48	16	33.33	32
Swift.....	189	51	26.98	138
Todd.....	182	45	24.72	137
Wabasha.....	511	181	35.42	330
Wadena.....				
Waseca.....	268	69	25.75	199
Washington.....	529	151	28.54	378
Watsonwan.....	159	32	20.13	127
Winona.....	820	307	37.44	513
Wright.....	427	133	31.14	294
Yellow Medicine.....	131	26	19.85	105

GENERAL TABLE.

Deaths in 1877 by Sex and Condition.

COUNTIES.	Total Deaths.	SEX.		CONDITION.			
		Male.	Female.	Single.	Married.	Widowed & Widower.	Unknown.
Anoka.....	59	32	27	34	20	6	.....
Becker.....	17	11	6	14	2	1	.....
Benton.....	20	10	10	16	4	..	.....
Big Stone.....	3	3	.....	2	1	.....	.....
Blue Earth.....	201	98	103	117	66	17	1
Brown.....	143	73	70	115	23	5	.....
Carlton.....	8	5	3	3	4	1	.....
Carver.....	149	90	59	101	41	7	.....
Chippewa.....	24	11	13	17	6	1	.....
Chisago.....	59	31	28	38	12	9	.....
Clay.....	16	7	9	14	2	.....	.....
Crow Wing.....	11	7	4	9	1	1	.....
Cottonwood.....	21	12	9	15	5	1	.....
Dakota.....	170	89	81	91	60	9	10
Dodge.....	100	52	48	60	33	6	1
Douglas.....	100	46	54	63	32	5	.....
Faribault.....	73	30	43	36	27	10	2
Fillmore.....	411	241	170	311	83	15	2
Freeborn.....	128	75	53	95	29	4	.....
Goodhue.....	333	183	150	229	86	18	.....
Grant.....	9	7	2	9	86	.....	21
Hennepin.....	613	322	291	406	163	23	.....
Houston.....	212	107	105	158	40	14	.....
Isanti.....	43	22	21	29	11	3	.....
Jackson.....	34	24	10	27	7	3	.....
Kandiyohi.....	64	35	29	51	11	2	.....
Lac qui Parle.....	11	8	3	10	1	.....	.....
Le Sueur.....	147	77	70	98	35	14	.....
Lyon.....	22	12	10	12	8	2	.....
McLeod.....	66	33	33	45	17	4	.....
Martha.....	20	11	9	10	9	1	.....
Meeker.....	98	60	38	67	26	5	.....
Mille Lacs.....	7	5	2	5	1	1	.....
Morrison.....	27	12	15	22	4	1	.....
Mower.....	178	100	78	133	31	14	.....
Murray.....	11	6	5	11	.....	.....	.....
Nicollet.....	155	90	65	104	42	8	1
Nobles.....	22	7	15	12	9	1	.....
Olmsted.....	246	124	122	164	72	10	.....
Otter Tail.....	89	40	49	70	13	6	.....
Pine.....	13	8	5	10	2	1	.....
Polk.....	39	15	24	29	9	.....	1
Pope.....	44	26	18	29	14	1	.....
Ramsey.....	478	249	229	280	101	25	72
Redwood.....	24	15	9	14	4	6	.....
Renville.....	68	38	30	44	20	4	.....
Rice.....	214	114	100	125	79	10	.....
Rock.....	22	18	4	16	5	1	.....
St. Louis.....	8	4	4	5	3	.....	.....
Scott.....	124	66	58	71	46	7	.....
Sherburne.....	33	19	14	25	5	3	.....
Sibley.....	88	53	35	63	19	6	.....
Stearns.....	210	114	96	150	46	14	.....
Steele.....	103	54	49	61	30	11	1
Stevens.....	16	10	6	9	5	2	.....
Swift.....	51	34	17	38	12	1	.....
Todd.....	45	21	24	36	7	2	.....
Wabasha.....	181	103	78	115	51	15	.....
Waseca.....	69	37	32	43	25	1	.....
Washington.....	151	85	66	111	33	6	1
Watsonwan.....	32	10	22	19	10	3	.....
Winona.....	307	178	129	207	92	8	.....
Wright.....	133	73	60	90	37	6	.....
Yellow Medicine.....	26	17	9	23	3	.....	.....
Total.....	6,590	3,569	3,030	4,435	1,695	358	111

GENERAL TABLE.

Deaths by Months—1877.

COUNTIES.	Total Deaths.	MONTHS.												
		Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.	Unknown.
Anoka.....	59	2	4	3	5	9	2	3	7	5	7	6	6	1
Becker.....	17			2	3		1	4		2	3	1		
Benton.....	20	1	2		2		6	2		2	3	1	1	
Big Stone.....	3													3
Blue Earth.....	201	17	9	11	17	16	17	18	20	21	24	13	18	
Brown.....	143	12	12	13	10	5	13	9	15	19	13	10	12	
Carlton.....	8	2	1	1				1		2				
Carver.....	149	15	17	13	10	10	7	7	19	8	8	16	14	5
Chippewa.....	24	2			1	1	2		1	4	2	5	6	
Chisago.....	59	7	3	6	2	3	2	10	4	9	5	7		1
Clay.....	16			2	1	4		2		1	3	2	1	
Cottonwood.....	21	1	1	2		1	2	3	5		5	1		
Crow Wing.....	11	2	1			1		3	3		1	1	2	
Dakota.....	170	7	17	8	14	15	8	12	24	20	7	21	15	2
Dodge.....	100	11	7	11	5	8	4	8	7	15	11	2	10	1
Douglas.....	100	11	3	14	13	13	5	3	6	7	5	11	6	3
Faribault.....	73	4	6	11	5	6	7	5	10	7	5	2	3	2
Fillmore.....	411	42	33	46	34	35	28	23	29	45	29	27	33	5
Freeborn.....	128	11	7	12	7	10	13	10	10	10	16	11	11	
Goodhue.....	333	23	30	16	24	34	15	21	43	39	36	24	25	3
Grant.....	9		2	2		1	1	2		1				
Hennepin.....	613	45	49	64	40	45	38	62	56	60	53	53	40	8
Houston.....	212	16	14	21	28	12	11	18	20	18	24	19	11	
Isanti.....	43	4	1	2	2	3	1	5	7	2	2	3	10	1
Jackson.....	34	3	1	5	5	3	2	2	2	4	1	3	3	
Kanabec.....														
Kandiyohi.....	64	6	4	3	5	4	6	10	4	6	7	4	5	
Lac qui Parle.....	11			1			1	1		1	2	5		
Lake.....														
LeSueur.....	147	13	11	13	11	11	12	15	13	13	13	11	9	2
Lincoln.....														
Lyon.....	22	1	2	2		3		1	1	5	3		4	
McLeod.....	66	6	7	4	5	2	9	4	4	4	5	3	13	
Martin.....	20	2	4	1	1		1	1		2	5		3	
Meeker.....	98	13	3	8	6	3	4	3	9	11	11	14	12	1
Mille Lacs.....	7								2	3	2			
Morrison.....	27	5		3	1	4	3	5	4	1			1	
Mower.....	178	11	9	13	6	10	12	11	20	18	34	9	19	6
Murray.....	11		3				5	1			1			
Nicollet.....	155	6	9	12	13	13	13	12	11	24	15	13	13	1
Nobles.....	22			1	2	1	2	4	2	2	2	3	3	
Olmsted.....	246	16	10	24	23	20	12	23	25	24	25	23	21	
Otter Tail.....	89	8	3	11	2	10	7	6	7	9	8	7	10	1
Pine.....	13	1		2	1					1		3	5	
Polk.....	39	1	3		1	3	3	3	3	6	5	9	2	
Pope.....	44	1	1	7	4	2	5	5	6	3	2	8		
Ramsey.....	478	30	40	46	44	22	32	67	42	52	37	28	38	
Redwood.....	24			2	3	4	3		3	2	2	2	3	
Renville.....	68	8	3	6	12	5	3	6	3	3	5	6	7	1
Rice.....	214	7	17	15	16	16	16	14	21	33	26	22	16	1
Rock.....	22	1		4	2	2	2		4	1	2	4		
St. Louis.....	8				2				1	1	2		2	
Scott.....	124	4	11	10	14	11	9	8	15	10	6	11	15	
Sherburne.....	33		2	2	2	2	3	4	4		4	6	1	3
Sibley.....	88	11	5	15	2	5	2	5	10	9	6	10	8	
Stearns.....	210	25	23	15	14	20	16	19	18	17	10	11	18	4
Steele.....	103	6	8	6	8	6	6	8	13	12	7	16	7	
Stevens.....	16	1		5				2	1		2	4	1	
Swift.....	51	3	5	10	1	4	1	2	3	5	6	6	3	2
Todd.....	45	2		7	3	5	2	2	3	9	6	3	3	
Wabasha.....	181	12	18	12	18	9	12	14	19	20	14	15	17	1
Wadena.....														
Waseca.....	69	6	3	3	2	3	16	5	4	7	9	7	4	
Washington.....	151	3	3	13	12	8	14	14	18	16	15	14	15	1
Watsonwan.....	32	5	1	2	1	2	2	3	3	2	4	6	1	
Wilkin.....														
Winona.....	307	22	18	24	10	16	22	26	43	45	29	33	18	1
Wright.....	133	9	12	8	17	10	9	13	19	12	11	10	10	
Yellow Medicine.....	26	1	1	1	4	2	1		2	4	4	3	3	
Total.....	6,599	486	465	575	495	475	446	544	642	694	610	571	537	59

CAUSES OF DEATHS.

Small Pox.....	2	Mortification.....	2
Measles.....	20	Scrofula.....	22
Scarlatina.....	217	Consumption.....	738
Diphtheria.....	370	Hydrocephalus.....	59
Quinsy.....	2	Tubercular Meningitis.....	10
Croup.....	133	Apoplexy.....	51
Whooping Cough.....	130	Paralysis.....	51
Typhoid Fever.....	255	Spinal Diseases.....	1
Erysipelas.....	30	Insanity.....	8
Puerperal Fever.....	10	Lock Jaw.....	2
Influenza.....	1	Epilepsy.....	18
Dysentery.....	40	Convulsions.....	209
Diarrhea.....	45	Brain Diseases.....	126
Cholera Infantum.....	279	Other Nervous Diseases.....	19
Cholera Morbus.....	27	Pericarditis.....	2
Remittent Fever.....	4	Aneurism.....	3
Spotted Fever.....	44	Heart Diseases.....	169
Rheumatism.....	32	Hemorrhage.....	21
Fever.....	80	Epistaxis.....	2
Mumps.....	1	Laryngitis.....	11
Other Miasmatic Diseases.....	29	Bronchitis.....	20
Syphilis.....	2	Pleurisy.....	11
Delirium Tremens.....	6	Congestion of Lungs.....	71
Intemperance.....	8	Pneumonia.....	214
Thrush.....	1	Premature birth, Infantile debility	590
Dropsy and Anæmia.....	128	Cyanosis.....	6
Asthma.....	20	Other Malformations.....	9
Other Lung Diseases.....	96	Teething.....	34
Gastritis.....	15	Inanition.....	215
Enteritis.....	74	Childbirth.....	87
Peritonitis.....	21	Change of Life.....	2
Hernia.....	5	Abortion.....	3
Spleen.....	1	Flooding.....	2
Stomach Disease.....	28	Miscarriage.....	2
Hepatitis.....	8	Old Age.....	196
Jaundice.....	4	Marasmus.....	37
Liver Disease.....	51	Atrophy and Debility.....	31
Other Bowel Diseases.....	89	Wounds.....	2
Nephritis.....	2	Fractures and Contusions.....	4
Bright's Disease.....	9	Burns and Scalds.....	26
Diabetes.....	11	Poison.....	13
Gravel.....	10	Drowning.....	59
Inflammation Bladder.....	7	Suffocation.....	2
Kidney Disease.....	19	Lightning.....	10
Ovarian Dropsy.....	3	Railroad Accidents.....	21
Uterine Disease.....	3	Shooting.....	16
Spinal Disease.....	30	Other Accidents.....	144
Bone Disease.....	1	Murder and Manslaughter.....	17
Joint Disease.....	3	Poison.....	3
Tumor.....	22	Hanging.....	2
Ulcer.....	2	Shooting.....	6
Skin Disease.....	5	Other Forms of Suicide.....	24
Abscesses.....	17	Unknown.....	456
Stillborn.....	209		
Cancer.....	60	Total.....	6,599
Canker.....	9		

I CLASS—ZYMOTIC DISEASES.

AGES.	Miasmatic.	Enthetic.	Dietic.	Parasitic.
2 and under 2.....	812	.....	.....	1
2 to 5.....	222	.....	.....	.....
5 to 10.....	235	.....	.....	.....
10 to 15.....	111	.....	.....	.....
15 to 20.....	73	.....	.....	.....
20 to 30.....	94	.....	2	.....
30 to 40.....	59	1	1	.....
40 to 50.....	38	1	2	.....
50 to 60.....	35	.....	6	.....
60 to 70.....	34	.....	1	.....
70 to 80.....	21	.....	.....	.....
Unknown.....	17	.....	2	.....
Total.....	1,751	2	14	1

II CLASS.—CONSTITUTIONAL DISEASES.

AGES.	Diathetic.	Tubercular.
2 and under 2.....	16	102
2 to 5.....	6	13
5 to 10.....	8	20
10 to 15.....	3	28
10 to 20.....	5	80
20 to 30.....	6	190
30 to 40.....	24	119
40 to 50.....	31	91
50 to 60.....	30	77
60 to 70.....	29	46
70 to 80.....	38	35
Unknown.....	3	28
Total.....	199	829

III CLASS.—LOCAL.

AGES.	Nervous.	Circulation.	Respiration.	Digestive.	Urinary Organs.	Organs of Generation.	Organs of Locomotion.	Integumentary.
2 and under 2.....	259	6	172	83	2	.....	15	4
2 to 5.....	18	2	28	8	1	.....	4	2
5 to 10.....	19	3	15	11	3	.....	3	1
10 to 15.....	10	9	13	11	1	.....	5	2
15 to 20.....	12	8	14	17	.....	1	.....	.....
20 to 30.....	19	11	28	23	3	.....	2	6
30 to 40.....	16	20	28	32	8	1	.....	8
40 to 50.....	19	20	35	20	8	1	.....	3
50 to 60.....	36	26	39	32	8	2	3	9
60 to 70.....	34	24	43	26	7	1	.....	4
70 to 80.....	36	31	41	23	16	.....	1	7
Unknown.....	7	9	10	10	1	.....	1	.....
Total.....	485	174	466	296	58	6	34	46

IV CLASS.—DEVELOPMENTAL DISEASES.

AGES.	Development dis- eases of children.	Development dis- eases of women.	Development dis- eases of old people.	Nutrition.
2 and under 2.....	1,061	.....	.....	28
2 to 5.....	2	.....	.....	1
5 to 10.....	.....	.....	.....	2
10 to 15.....	.....	.....	.....	.....
15 to 20.....	.....	8	.....	1
20 to 30.....	.....	32	.....	3
30 to 40.....	.....	34	.....	3
40 to 50.....	.....	16	.....	6
50 to 60.....	.....	2	.....	8
60 to 70.....	.....	.....	22	7
70 to 80.....	.....	1	171	18
Unknown.....	.....	3	3	1
Total.....	1,063	96	196	78

V CLASS.—VIOLENT DEATHS.

AGES.	Accidental.	Homicide.	Suicide.
2 and under 2.....	41	1	1
2 to 5.....	22	1	.....
5 to 10.....	34	.....	.....
10 to 15.....	27	.....	1
15 to 20.....	21	2	2
20 to 30.....	51	4	6
30 to 40.....	27	2	6
40 to 50.....	22	2	7
50 to 60.....	20	2	2
60 to 70.....	10	1	3
70 to 80.....	9	.....	1
Unknown.....	13	2	6
Total.....	297	17	35

TABLE 1.

NUMBER AND PERCENTAGE TO TOTAL DEATHS, OF DEATHS FOR EACH MONTH DURING THAT YEAR.

Months.	YEARS.					
	1875.		1876.		1877.	
	No. of Deaths.	Per Cent.	No. of Deaths.	Per Cent.	No. of Deaths.	Per Cent.
January.....	487	8.00	437	6.22	486	7.36
February.....	493	8.01	503	7.14	465	7.05
March.....	577	9.52	611	8.67	575	8.09
April.....	479	7.90	524	7.44	495	7.50
May.....	503	8.30	505	7.17	475	7.30
June.....	332	6.30	450	6.39	446	6.76
July.....	410	6.77	522	7.31	544	8.24
August.....	580	9.57	911	12.93	642	9.73
September.....	566	9.24	761	10.80	694	10.52
October.....	505	8.33	632	8.97	610	9.24
November.....	488	8.03	512	7.26	571	8.65
December.....	474	7.82	627	8.90	537	8.14
Unknown months....	57	.09	48	0.68	59	0.89
	6,061		7,043		6,599	

TABLE II.

SHOWING DEATHS BY SEXES.

	1877.	1876.	1875.	1874.	1873.	1872.	1871.	1870.	1860.	1860-77. Av. for 9 yrs.	
											<i>Av.</i>
										<i>Total.</i>	<i>total.</i>
Males	3,569	3,739	3,290	3,740	3,203	2,830	2,584	1,949	594	25,518	2.835
Females	3,030	3,304	2,771	3,169	2,563	2,378	2,110	1,577	515	21,417	2.379
Total deaths .	6,599	7,043	6,061	6,909	5,766	5,228	4,694	3,526	1,109	46,935	5.215
Males to 100 fe- males.....	117.7	112.2	118.7	118.	124.9	119.8	122.4	123.5	115.3	10,725	119.1

TABLE III.

DEATHS BY GENERAL CLASSIFICATION.

	1877.	1876.	1875.	1874.	1873.	1872.
Death cause classified..	6,143	6,405	5,243	5,503	4,650	4,337
“ not given..	456	638	818	1,406	1,116	891
otal.....	6,599	7,043	6,061	6,908	5,766	5,228

TABLE IV.

DEATHS BY CLASSES OF DEATH CAUSES.

	1877.	1876.	1875.	1874.	1873.
I. Zymotic Diseases—Male.....	955	1,175	888	1,177	943
Female.....	813	1,074	750	1,017	772
Total.....	1,768	2,249	1,638	2,194	1,715
II. Constitutional Diseases—Male.....	483	478	417	408	401
Female.....	545	541	429	464	373
Total.....	1,028	1,019	846	902	774
III. Local Diseases—Male.....	858	842	801	768	707
Female.....	707	638	585	615	546
Total.....	1,565	1,480	1,386	1,383	1,253
IV. Developmental Diseases—Male.....	764	626	527	354	249
Female.....	669	656	539	370	315
Total.....	1,433	1,282	1,066	724	564
V. Violent Deaths—Male.....	255	288	251	238	282
Female.....	94	87	56	62	62
Total.....	349	375	307	300	344
Total of the five classes.....	6,143	6,405	5,243	4,650	4,337
Deaths with causes not given.....	456	638	818	1,116	891
Total number of deaths in the year.....	6,599	7,043	6,061	5,766	5,228

TABLE V.

TABLE OF DEATHS FROM SPECIFIED CLASSES OF DISEASES BY SEX, AND
THE PERCENTAGE OF EACH CLASS TO TOTAL DEATHS FOR 1877.

	Males.	Females.	Total.	Percentage of Deaths.
Zymotic	955	813	1,768	26.78
Constitutional	483	545	1,028	15.57
Local.	858	707	1,565	23.71
Developmental	764	669	1,433	21.71
Violent deaths.	255	94	349	5.28
Unknown, not given.	254	202	456	6.90

TABLE VI.

TABLE OF DEATHS FROM ZYMOTIC DISEASES FROM 1877, 1876, 1875,
1874, AND 1872.

DISEASES.	1877.	1876.	1875.	1874.	1872.
ORDER I—MIASMATIC.					
Small Pox.....	2	.....	.....	8	207
Measles.....	20	71	86	38	38
Scarlatina.....	217	362	265	233	261
Diphtheria.....	370	379	226	236	41
Quinsy.....	2	20	.....	.....	.....
Croup.....	133	134	125	87	60
Whooping Cough.....	130	105	54	157	102
Typhoid Fever.....	255	250	216	326	315
Erysipelas.....	30	33	33	31	23
Puerperal Fever.....	10	18	20	16	23
Influenza.....	1	26	2	8	.....
Dysentery.....	40	149	72	136	141
Diarrhoea.....	45	100	33	218	117
Cholera Infantum.....	279	351	283	408	269
Cholera Morbus.....	27	31	.....	.....	.....
Remittent Fever.....	4	2	6	7	15
Spotted Fever.....	44	69	45	59	76
Rheumatism.....	32	33	39	26	20
Fever.....	80	93	.....	.....	.....
Mumps.....	1	.....	.....	.....	.....
Other Miasmatic Diseases.....	29	4	1	179	149
Total Miasmatic Diseases....	1,751	2,236	1,627	2,184	1,878
ORDER II—ENTHETIC.					
Syphilis.....	2	2	.....	.....	.....
Total Enthesic Diseases.....	2	2	.....	.....	.....
ORDER III—DIETIC.					
Delirium Tremens.....	6	2	1	2	4
Intemperance.....	8	4	7	1	2
Total Dietic Diseases.....	14	6	8	3	6
ORDER IV—PARASITIC.					
Trichina Spiralis.....	.....	2	.....	.....	.....
Thrush.....	1	.....	.....	3	.....
Worms.....	.....	3	3	1	2
Total Parasitic Diseases.....	1	5	3	4	2
Total of Zymotic Diseases..	1,768	2,249	1,638	2,194	1,886

TABLE VII.

SPECIFIED DEATHS FROM THE ZYMOTIC CLASS; PERCENTAGE OF TO
TOTAL DEATHS, AND PERCENTAGE TO CLASS.

DISEASES.	Deaths from in 1877.	Percentage to total Deaths.	Percentage to class.
Scarlatina.....	217	3.28	12.39
Diphtheria.....	370	5.60	21.13
Croup.....	133	2.01	7.59
Whooping Cough.....	130	1.96	7.42
Typhoid Fever.....	255	3.86	14.56
Cholera Infantum.....	279	4.22	15.93
Spotted Fever.....	44	0.66	2.51

TABLE VIII.

SCARLET FEVER, 1871, 1872, 1873, 1874, 1875, 1876 AND 1877.

AGES.	1871.	1872.	1873.	1874.	1875.	1876.	1877.
Under 5 years.....	209	156	121	128	152	239	142
Under 20 years.....	327	251	82	102	254	113	68
Other ages.....	5	6	.....	1	9	6	7
Unknown.....	3	4	6	2	2	4	.....
Total.....	544	417	209	233	417	362	217

TABLE IX.

NUMBER OF PERCENTAGES OF DEATHS FROM SCARLET FEVER IN 1877,
1876, 1875, 1874, 1873, 1872, 1871 AND 1870.

YEAR.	Total Deaths from Scarlet Fever.	Percentage of Deaths from Scarlet Fever to Deaths from all Causes.
1877.....	217	3.50
1876.....	362	5.65
1875.....	265	4.37
1874.....	233	3.34
1873.....	309	3.62
1872.....	261	4.99
1871.....	235	7.13
1870.....	238	6.75

TABLE X.

TABLE OF DEATHS FROM CONSTITUTIONAL DISEASES FOR 1877, 1876,
1875, 1874, 1873, 1872, 1871 AND 1870.

YEAR.	ORDER I.				ORDER II.					
	Dropsy and Anæmia	Cancer.	Noma (or Canker.)	Mortification.	Scrofula.	Consumption.	Hydrocephalus.	Other Constitutional Diseases.	Total Constitutional Diseases.	Percentage to total deaths.
1877.....	128	60	9	2	22	738	59	10	1,028	15.57
1876.....	124	85	13	2	20	745	27	....	1,016	14.46
1875.....	116	60	3	3	16	621	24	....	846	13.95
1874.....	103	66	4	1	15	641	71	1	902	13.05
1873.....	94	54	3	7	16	562	36	2	774	13.24
1872.....	78	51	12	4	19	499	43	....	706	13.50
1871.....	52	....	....	....	15	445	93	....	607	12.28
1870.....	35	....	....	....	24	459	60	60	638	18.09

TABLE XI.

TABLE OF DEATHS FROM TUBERCULAR DISEASES FOR 1877, 1876, 1875,
1874, 1873, 1872, 1871 AND 1870.

YEAR.	Tubes Mesenterica.	Consumption.	Scrofula.	Hydrocephalus.	Other Tubercular Diseases.	Totals.	Percentage to Total Deaths.
1877.....	....	738	22	59	10	829	12.56
1876.....	2	745	20	27	....	794	11.27
1875.....	....	621	16	24	....	761	12.55
1874.....	1	641	15	71	....	728	1.05
1873.....	2	562	16	36	....	616	10.67
1872.....	....	499	19	43	....	561	10.73
1871.....	....	445	15	93	....	553	11.78
1870.....	....	459	24	60	60	603	17.10

TABLE XII

DEATHS FROM CONSUMPTION, BY SEX.

	1877.	1876.	1875.	1874.	1873.	1872.	1871.
Male.....	344	338	311	306	285	260	229
Female.....	394	407	310	335	277	239	216
Total by sex.....	738	745	621	641	562	499	445

TABLE XIII.

TABLE OF DEATHS FROM PULMONARY DISEASES OTHER THAN TUBERCULAR, IN 1877, 1876, 1875, 1872 AND 1870.

YEAR.	Bronchitis.	Pleurisy.	Pneumonia.	Asthma.	Others of this group.	Total.	Percentage to total deaths.
1877	20	11	214	20	96	361	5.47
1876	23	9	328	13	8	381	5.40
1875	43	11	304	23	88	474	7.65
1872	65	6	179	17	55	322	6.16
1870	14	3	117	7	69	270	7.66

TABLE XIV.

TABLE OF DEATHS FROM DEVELOPMENTAL DISEASES, FOR 1877, 1876,
1875, 1874, 1873 AND 1872.

YEAR.	ORDER I.						ORDER II.			ORDER III.	ORDER IV.		Total.
	Stillborn.	Infantile Debility.	Cyanosis.	Other Malformations.	Teething.	Inanition.	Childbirth.	Change of Life.	Flooding.	Old Age.	Marasmus.	Debility.	
1877....	209	590	6	9	34	215	87	2	2	196	37	31	1418
1876....	163	681	5	3	26	29	120	4	3	213	14	21	1282
1875....	132	289	13	1	38	211	87	....	....	253	....	39	1066
1874....	148	195	1	5	41	....	101	....	....	191	....	42	724
1873....	106	180	....	....	25	....	90	....	....	128	....	35	564
1872....	94	144	4	2	38	....	84	....	....	126	....	33	528

TABLE

TABLE OF DEATHS FROM ACCIDENTS, SUICIDES AND INJURIES

YEARS.	ORDER I.									
	Fractures and Contusions.	Wounds.	Burns and Scalds.	Poison.	Drowning.	Suffocation.	Lightning.	Railroad Accident.	Shooting.	Otherwise.
1877....	4	2	26	13	59	2	10	21	16	144
1876....	2	4	33	14	71	11	12	18	15	150
1875....	1	1	27	9	67	4	.....	.....	.....	159
1872....	7	.....	35	3	33	8	.....	.....	.....	142
1871....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1870....	46	18	20	.....	67	4	.....	.....	.....	38

TABLE

NUMBER OF DEATHS FROM ZYMOTIC, CONSTITUTIONAL, LOCAL, AND
KNOWN CAUSES, WITH THEIR RESPECTIVE PERCENTAGE OF

YEAR.	Total Deaths.	Deaths from Zymotic Diseases.	Deaths from Constitutional Diseases.	Deaths from Local Diseases.	Deaths from Developmental Diseases.	Violent Deaths.	Deaths from causes unknown.
1877.....	6,599	1,768	1,028	1,565	1,433	349	456
1876.....	7,043	2,249	1,019	1,480	1,282	375	638
1875.....	6,061	1,638	846	1,386	1,066	307	818
1872.....	5,228	1,886	706	973	525	247	891
1871.....	4,694	1,149	605	817	.....	175	2,448
1870.....	3,526	1,260	638	1,040	28	212	342

XV.

DURING THE YEARS 1877, 1876, 1875, 1872, 1871 AND 1870.

ORDER II.		SUICIDES,					ORDER VI.		
Murder and Man-slaughter.	Poison.	Drowning.	Hanging.	Shooting.	Otherwise.	Causes Unascertained.	Total.	Percentage to total Deaths.	
17	3	.....	2	6	24	.....	349	5.28
14	2	1	3	1	24	.....	375	5.32
8	5	1	5	.....	17	3	307	5.00
5	2	1	3	.....	6	2	247	4.72
.....	.....	.....	.....	.....	.....	.....	175	3.72
12	.....	.....	.....	.....	7	.....	212	6.01

XVI.

DEVELOPMENTAL DISEASES, FROM ACCIDENTS OR VIOLENCE AND UN-TOTAL DEATHS IN 1877, 1876, 1875, 1872, 1871 AND 1870.

Percentage of deaths from zymotic diseases to total deaths.	Percentage of deaths from constitutional diseases to total deaths.	Percentage of deaths from local diseases to total deaths.	Percentage of deaths from developmental diseases to total deaths.	Percentage of deaths from violent causes to total deaths.	Percentage of deaths from unknown causes to total deaths.
26.78	15.57	23.71	21.71	5.28	6.90
31.93	14.46	20.99	18.21	5.32	9.05
26.86	13.95	22.86	15.95	5.09	13.06
36.07	13.50	18.61	10.04	4.72	17.04
24.48	12.88	6.75	.....	3.72	52.17
55.90	18.09	29.49	.79	6.01	19.63

TABLE XVII.

YEAR.	SUICIDES.						Murders.
	Total.	Poison.	Hanging.	Shooting.	Drowning.	Otherwise.	
1877	35	3	2	6	.....	24	17
1876	45	2	3	1	1	24	14
1875	31	5	5	3	1	17	8
1874	27	1	2	.....	.....	24	11
1873	20	3	1	.....	.....	16	6
1872	12	2	3	.....	1	6	5

Remarkable cases of Longevity reported as follows:

COUNTY.	Sex.	Condition.	Nativity.	Occupation.	Diseases.	Age.		
						Years.	Month.	Days.
Blue Earth	Male	Widower	Connecticut	Merch'nt	Old age	86		
Brown	Female	Widow	Austria		Old age	87		
Carver	Male	Married	Holland		Old age	87	4	
Chisago	Male	Married	Germany	Hatter	Old age	86	2	17
Cottonwood	Female	Single	Germany		Old age	86	3	24
Cottonwood	Female	Widow	Ireland		Old age	87		
Dakota	Male	Widower	Connecticut	Farmer	Old age	87	5	
Dakota	Female	Married	N. Hampshire		Throat disease	88	5	
Dodge	Male	Married	Vermont	Farmer	Injuries by fall	90	9	6
Dodge	Male	Widow	N. Hampshire		Old age	91		
Faribault	Male	Widower	Massachusetts	Farmer	Apoplexy	85	11	25
Faribault	Male	Widower	New York		Old age	91		
Faribault	Male	Married			Lung disease	88	7	8
Faribault	Male	Widower			Old age	88	4	20
Fillmore	Male	Widower	Norway		Old age	91		
Fillmore	Male	Married	Pennsylvania		Enteritis	87		
Fillmore	Male	Married	N. Hampshire	Farmer	Consumption	87	2	10
Goodhue	Female	Widow	Massachusetts		Consumption	88	1	2
Goodhue	Male	Married	N. Hampshire	Farmer	Old age	88	5	20
Goodhue	Female	Widow	America		Old age	90		
Goodhue	Female	Widow	Norway		Tubercular	89		
Goodhue	Male	Married	Norway		Tubercular	80	5	16
Hennepin	Male	Married	Nova Scotia	Farmer	Old age	95	2	
Hennepin	Female	Married	Scotland			85		
Hennepin	Male	Married	Connecticut		Old age	85		
Hennepin	Female	Widow	New York		Old age	85		
Hennepin	Female	Married	Ireland		Dysentery	86		
Hennepin	Male	Widower	France		Old age	98		
Hennepin	Female	Married	New York		Apoplexy	86		
Hennepin	Female	Married	Vermont		Old age	87		
Houston	Female	Widow	Luxemburg	Farmer	Old age	85		
Isanti	Male	Widower	Ireland	Farmer	Consumption	113	11	18
Jackson	Male	Married	Massachusetts		Old age	93		
Le Sueur	Male	Widower	Ireland	Farmer	Old age	90	6	
Le Sueur	Male	Widower	Ireland	Farmer	Old age	97		
Mower	Male	Widower	Prussia	Farmer	Old age	87		
Mower	Female	Widow	New York		Old age	87	8	
Mower	Female	Widow	Ireland		Old age	88		
Mower	Male	Married	Ireland	Farmer	Old age	94	4	17
Nicollet	Male	Single	Norway		Old age	92	6	
Nicollet	Male	Widower	Vernon		Brain disease	86		
Nicollet	Female	Widow	Norway		Old age	89		
Olmsted	Male	Married	Pennsylvania		Old age	86	8	
Olmsted	Male	Single	England	Farmer	Old age	86		
Olmsted	Male	Widower	Norway	Farmer	Old age	96		
Olmsted	Male	Widower	Ireland		Consumption	88	5	
Olmsted	Female	Widow	Prussia		Consumption	96	6	
Otter Tail	Female	Widow	Norway		Old age	90		
Ramsey	Male	Widower	Germany	Laborer	Pneumonia	86		
Ramsey	Female	Widow			Old age	90		
Ramsey	Female	Widow			Old age	88		
Ramsey	Female	Widow			Old age	88		
Ramsey	Male	Widower			Old age	85		
Rice	Male	Widower		Farmer	By fall	86	5	13
Rice	Male	Married	N. Hampshire	Farmer	Dropsy	88		
Rock	Male	Widower	Germany	Farmer	Old age	85		
Scott	Male	Married	Scotland		Old age	85		
Scott	Male	Widower	Germany		Old age	86		
Scott	Male	Married	Germany		Diphtheria	88		
Sibley	Male	Widow	Ireland		Old age	86		
Stearns	Female	Widower	Germany		Old age	96	11	
Steele	Female	Widow	Pennsylvania		Old age	91	1	8
Steele	Female	Widow	Ireland		Consumption	85	11	20
Steele	Female	Widow	Massachusetts		Old age	93		
Wabasha	Male	Married	Massachusetts	Farmer	Old age	89	6	
Waseca	Male	Married	Sweden		Old age	85	11	14
Washington	Male	Married	Scotland	Tailor	Old age	88		
Watouwan	Female	Widow	Maine		Old age	104	6	27
Winona	Male	Single	United States		Old age	85		
Winona	Male	Married			Old age	86		
Winona	Male	Married	England		Old age	85		
Winona	Male	Married	Pennsylvania		Old age	88		

ACCIDENTS.

Killed by falling building.....	4
Sunstroke.....	10
Strangled accidentally.....	3
Fell from carriage.....	10
Kicked by horse.....	11
Killed by fall.....	8
Accident in flouring mill.....	1
Runaway accident.....	2
Boiler explosion.....	6
Killed in saw mill.....	2
Frozen to death.....	2
Killed by a tree.....	2
Choked.....	1
Explosion of kerosene lamp.....	1
Killed by the caving of an embankment.....	2
Killed by a bull.....	1
Total Specified.....	66
Total not specified.....	78
Total.....	144

DEATHS OF CONSUMPTION BY MONTHS.

	1877.	1875.	1874.	1873.	1872.	Total for 5 years.
January.....	59	52	52	45	41	249
February.....	55	53	45	32	34	219
March.....	78	77	54	60	49	218
April.....	53	45	65	43	50	256
May.....	75	59	55	67	42	298
June.....	64	50	47	40	35	236
July.....	56	48	57	47	30	238
August.....	40	48	52	54	46	240
September.....	63	34	46	47	41	231
October.....	67	50	54	53	53	277
November.....	68	49	52	36	37	242
December.....	58	49	54	30	36	227
Months not reported.....	2	7	8	8	5	30
	738	621	641	562	499	3,061

DEATHS OF CONSUMPTION BY NATIVITY.

	1877	1875	1874	1873	1872	Total for 5 years.
Minnesota.....	129	82	93	52	58	414
Other States of the Union	294	227	243	270	224	1,258
Germany.....	84	59	68	51	51	313
Norway.....	94	68	70	48	37	317
Sweden.....	31	36	28	23	22	140
Ireland.....	34	46	41	44	35	200
England.....	6	8	8	9	10	41
British America.....	28	20	24	19	13	104
Other countries.....	38	75	66	46	49	274
	738	621	641	562	499	3,061

DEATHS FROM CONSUMPTION BY QUARTERS OF THE YEAR FOR
FIVE YEARS.

QUARTERS.	1877	1875	1874	1873	1872
Quarter ending March.....	192	182	151	137	124
Quarter ending June.....	192	154	167	150	127
Quarter ending September.....	159	130	155	148	117
Quarter ending December.....	193	148	160	119	126
Unknown.....	2	7	8	8	5
	783	621	641	562	499

DEATHS FROM CHOLERA AND FEVER BY QUARTERS OF THE YEAR, IN 1877,
1875, 1872, 1871 AND 1870.

QUARTERS.	1877	1875	1872	1871	1870
Quarter ending March.....	23	57	39	105	55
Quarter ending June.....	42	28	37	66	42
Quarter ending September.....	72	50	92	116	72
Quarter ending December.....	117	80	139	125	105
Unknown.....	1	1	8	.....	5
Total.....	255	216	315	412	279

TYPHOID FEVER IN MINNESOTA IN 1877, 1875, 1872, 1871 AND 1870,
SEX, AGE, PERCENTAGE TO CLASS, AND TOTAL DEATHS.

YEAR.	Total.	Male.	Female.	AGE.				Percentage to deaths from zymotic diseases.	Percentage to deaths from all causes.
				Under 20.	20 to 40.	40 to 60;	60 and over.		
1877.....	255	139	116	132	76	23	19	14.56	3.86
1875.....	216	107	109	132	49	19	14	23.18	3.56
1872.....	315	183	132	140	121	34	12	16.71	6.02
1871.....	417	230	187	216	127	55	13	36.29	8.89
1870.....	274	156	118	140	80	38	16	22.45	7.77

MONTHS OF GREATEST DEATH-RATE FROM TYPHOID FEVER.

1877.		1875.		1872.		1871.	
October... ..	47	October	37	October	62	October	60
November.....	44	January.....	29	November.....	47	September....	50
September.....	39	September.....	28	September.....	46	March.....	44
August.....	27	November.....	25	August.....	33	August.....	44
December.....	26	December.....	18	December.....	30	December.....	83
June.....	17	February.....	14	February.....	18	November.....	32
May.....	13	March.....	14	May.....	15	April.....	23
April.....	12	August.....	12	January.....	13	May.....	23
February.....	9	May.....	12	July.....	13	July.....	22
March.....	9	July.....	10	April.....	11	June.....	20
July.....	6	June.....	9	June.....	11		
January.....	5	April.....	7	March.....	8		

I.

DEATH RATE IN STATE TO TOTAL POPULATION AND GIVING
PER CENT.

	Estimated population in 1877, 675,000	Per cent. of births in 1877 to estimated population.	Number of births in 1877	Per cent. to total births.
American.....	428,900	5.	5,249	24.09
American father.....			} 2,439	11.18
American mother.....				
German.....	76,500	28.	5,280	24.23
Norwegian.....	60,000	36.	3,489	16.00
Swede.....	34,500	63.	1,895	8.78
Irish.....	25,300	86.	1,096	5.02
Canada.....	21,000	104.	627	2.89
Slayonian.....			241	1.01
Other countries.....	28,800	76	1,483	6.80

II.

DEATHS, 2 YEARS AND UNDER, TO TOTAL DEATHS, AND PER CENT.
DEATHS UNDER 5 YEARS TO TOTAL DEATHS.

Total deaths in 1877.	Deaths 2 years and under, 1877.	Per cent. of deaths 2 years and under to total deaths.
6,599	2,687	40.70
Total deaths in 1877.	Deaths under 5 years 1877.	Per cent. of deaths under 5 years to total deaths.
6,599	3,046	46.15

III.

DEATH RATE 20 YEARS AND UNDER, TO TOTAL DEATHS AND PER CENT.

Total Deaths in 1877.	Deaths 20 years and under in 1877.	Per cent. of deaths under 20 years to total deaths.
6,599	3,398	59.67

IV.

DEATHS, TWO YEARS AND UNDER, FROM ZYMOTIC DISEASES, TO TOTAL
DEATHS FROM THAT CLASS, AND PER CENT.

Deaths, two years and under, from zymotic diseases, 1887.	Percent of Deaths, two years and under, to total deaths from that class.
813	45.98
Deaths, under five years, from zymotic diseases, 1877.	Percent to total deaths from all causes under five years.
1,035	33.97

V.

DEATHS UNDER FIVE YEARS FROM ZYMOTIC DISEASES TO ALL DEATHS
FROM THAT CLASS.

Deaths under five years from zymotic diseases. 1877.	Per cent. of deaths under 5 years, from zymotic diseases, to all deaths from that class.
1,035	58.54

CITY OF SAINT PAUL.

I.

Deaths 2 years and under to total deaths and per cent. to total deaths in the county. Deaths under 5 years to total in the county.

Total deaths in St. Paul. 1877.	Deaths 2 years and under in St. Paul. 1877.	Per cent. of deaths 2 years and under to total deaths in St. Paul. 1877.
652	204	31.29
Total deaths in St. Paul. 1877.	Deaths under 5 years in St. Paul. 1877.	Per cent. of deaths under 5 years to total deaths in St. Paul. 1877.
625	213	32.67

II.

DEATH RATE 20 YEARS AND UNDER TO TOTAL DEATHS IN ST. PAUL
AND PER CENT.

Total deaths in St. Paul. 1877.	Deaths 20 years and under in St. Paul. 1877.	Percent. of deaths 20 years and under to total deaths in St. Paul. 1877.
652	255	45.24

III.

DEATHS 2 YEARS AND UNDER FROM ZYMOTIC DISEASES TO TOTAL
DEATHS IN ST. PAUL FROM THAT CLASS AND PER CENT.

Per cent. of deaths 2 years and under from zymotic diseases in St. Paul. 1877.	Per cent of deaths 2 years and under to total deaths from that class.
46	51.11
Deaths under 5 years from zymotic diseases in St. Paul. 1877.	Per cent. to total deaths from all causes under 5 years.
50	23.88

IV.

DEATHS UNDER 5 YEARS FROM ZYMOTIC DISEASES TO ALL DEATHS
FROM THAT CLASS.

Deaths under 5 years from zymotic dis- eases in St. Paul, 1877.	Per cent. of death under 5 years from zymotic diseases to all deaths from that class.
50.	55.55

CITY OF MINNEAPOLIS.

I.

DEATHS, TWO YEARS AND UNDER, TO TOTAL DEATHS AND PER CENT
TO TOTAL DEATHS IN THE COUNTY. DEATHS UNDER FIVE
YEARS TO TOTAL IN THE COUNTY.

Total deaths in Minneapolis in 1877.	Deaths, two years and under in Minne- apolis in 1877.	Per cent of deaths, two years and under, to total deaths in Minneapolis.
470	214	45.54
Total deaths in Minneapolis in 1877.	Deaths under five years in Min- neapolis in 1877.	Per cent. of deaths under five years to total deaths in Minneapolis.
470	232	49.36.

II.

DEATH RATE, TWENTY YEARS AND UNDER, TO TOTAL DEATHS IN MIN-
NEAPOLIS, AND PER CENT.

Total deaths in Minneapolis in 1877.	Deaths, twenty years and under in Min- neapolis in 1877.	Per cent. of deaths, 20 years and under, to total deaths in Minneapolis.
470	281	59.78

III.

DEATHS TWO YEARS AND UNDER FROM ZYMOTIC DISEASES TO TOTAL
DEATHS IN MINNEAPOLIS FROM THAT CLASS AND PER CENT.

Deaths 2 years and under from zymotic diseases, Minneapolis, 1877.	Per cent. of deaths 2 years and under to total deaths from that class.
66.	61.11
Deaths under 5 years from zymotic diseases, Minneapolis, 1877.	Per cent. to total deaths from all causes under 5 years.
76.	32.76

IV.

DEATHS UNDER 5 YEARS FROM ZYMOTIC DISEASES, TO ALL DEATHS
FROM THAT CLASS.

Deaths under 5 years from zymotic diseases in Minneapolis, 1877.	Per cent. of deaths under 5 years from zymotic diseases to all deaths from that class.
76.	70.37

DEATHS IN CITY OF ST. PAUL. 1877.

DISEASES.	PARENT NATIVITY.						NATIVITY.				2 and under 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80 and over.	Ages not reported.
	Both American.	Both foreign.	Am. Father.	For. Mother.	Am. Mother.	Not reported.	United States.		Foreign.													
							Male.	Female.	Male.	Female.												
Zymotic Diseases.....	27	50	1	1	1	11	41	40	2	6	9	1	7	6	7	4	3	4	1	....	
Constitutional Diseases.....	19	49	...	1	1	13	34	33	9	7	14	1	2	7	21	12	10	9	2	4	....
Local Diseases.....	42	78	...	...	...	24	66	63	10	5	60	3	3	6	10	15	10	18	14	4	....
Developmental Diseases.....	39	53	1	1	1	13	52	48	...	7	79	...	...	2	...	...	...	6	4	16	....
Violent Diseases.....	6	6	1	1	1	1	10	4	...	...	2	...	2	3	2	1	1	2	1	....	....
Total Specified Causes of Deaths...	133	236	3	2	2	62	203	187	21	25	201	8	11	4	25	39	35	25	38	25	25
Unknown Diseases.....	3	9	...	...	...	6	7	7	3	1	3	1	...	1	1	4	2	4	1	...	....
Total	136	245	3	2	2	68	210	194	24	26	204	9	11	5	26	40	39	27	42	26	25

DEATHS IN CITY OF MINNEAPOLIS. 1877.

Zymotic Diseases.....	1	6	...	...	...	101	53	47	3	5	66	10	6	3	5	4	...	3	3	....
Constitutional Diseases.....	...	15	...	...	...	91	35	51	9	11	19	2	2	4	10	18	10	7	4	3
Local Diseases.....	5	11	...	1	1	109	49	59	8	10	48	5	3	8	3	10	10	11	9	4
Developmental Diseases.....	14	15	3	3	3	58	50	41	2	...	79	...	...	...	1	2	...	1	1	7
Violent Deaths.....	5	6	...	...	...	12	9	3	10	1	2	1	...	...	2	6	...	...	...	4
Total Specified Causes of Death.....	25	53	3	4	4	371	196	201	32	27	214	18	11	15	21	41	20	21	17	12
Unknown Diseases.....	...	2	...	...	...	12	4	7	3	...	...	...	1	...	2	1	...	4	1	4
Total.....	25	55	3	4	4	383	200	208	35	27	214	18	12	16	21	43	21	25	18	16

DEATHS OF ANIMALS, TABLE.

Table showing the number of Deaths from each specified Death cause in Minnesota in the year ending December 31, 1922, with Age and Sex of the persons involved.

[illegible]

[illegible]

Organs of Respiration—Order 3.

Hæmorrhage.....	4	12	1	4	8	2	5	6	5	3	5	2	1	3	2	...
Epistaxis.....	2	2	...	...	...	...	1	1	1	...	...	...	...	...	...	...
Laryngitis.....	5	8	...	3	3	5	1	2	3	...	...	...	...	...	...	...
Bronchitis.....	4	8	1	7	14	5	10	1	4	...	...	...	...	1	1	3
Pleurisy.....	1	4	...	3	3	3	4	1	3	...	...	...	...	1	3	1
Congestion of Lungs.....	23	29	1	16	31	25	30	7	8	...	...	...	...	1	6	4
Pneumonia.....	43	101	2	60	85	76	78	35	18	24	6	1	1	17	13	15
Asthma.....	5	9	...	6	7	4	8	1	3	...	...	...	...	2	1	7
Other Lung Diseases.....	15	68	3	8	29	26	40	25	16	7	5	3	5	6	11	1
Total Diseases of Respiratory Organs.....	100	236	6	110	181	146	172	87	52	28	15	13	14	28	35	41

Digestive Organs—Order 4.

Gastritis.....	11	...	...	4	3	9	2	1	3	...	...	...	...	2	...	...
Enteritis.....	25	30	1	14	30	24	25	8	12	1	4	2	4	11	2	5
Peritonitis.....	3	7	1	10	6	11	3	3	1	...	...	...	...	2	1	2
Hernia.....	1	1	...	3	2	1	1	...	...	...	...	...	...	1	...	...
Spleen.....	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Stomach Disease.....	8	10	...	10	10	8	6	4	4	3	1	2	1	2	4	1
Hepatitis.....	1	4	...	3	3	1	2	2	2	...	...	...	...	1	1	2
Jaundice.....	2	1	...	1	2	1	1	1	1	...	...	...	...	1	1	1
Liver Disease.....	9	30	...	12	13	13	17	8	5	3	1	...	...	6	9	3
Other Bowel Diseases.....	20	57	3	9	34	30	14	11	42	3	6	3	5	4	5	9
Total Diseases of Digestive System.....	69	151	2	7	67	48	83	52	43	8	11	11	17	23	32	26

Urinary Organs—Order 5.

Nephritis.....	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bright's Disease.....	3	4	...	2	2	2	2	2	3	...	...	...	...	1	2	2
Diabetes.....	5	1	1	4	6	6	1	2	2	...	...	...	...	1	3	...
Gravel, Calculus, &c.....	2	2	4	4	3	1	6	2	1	...	...	...	...	1	2	1
Inflam. Bladder.....	2	5	...	2	2	2	5	6	5	...	...	...	...	3	3	4
Kidney Diseases.....	3	9	...	7	7	4	1	1	1	1	1	...	...	3	2	5
Total Diseases of Urinary Order.....	15	25	1	17	20	8	23	7	7	1	3	1	...	3	8	7

Organs of Generation—Order 6.

Ovarian Dropsy.....	1	...	...	2	...	2	...	1	...	...	...	...	...	1	1	...
Uterine Diseases.....	...	2	...	1	2	...	1	...	...	...	...	...	1	...	...	...
Total Diseases of Generative Organs.....	1	2	...	3	2	2	1	1	...	...	...	...	1	...	1	1

[illegible]

PHTHISIS PULMONALIS.

COUNTIES.	SEX.			MONTH OF DEATH.												
	Total.	Males.	Females.	January.	February.	March.	April.	May.	June.	July.	August.	Septemb'r.	October.	November.	December.	Not rep'd
Anoka.....	14	4	10	1	.....	1	2	3	.....	1	1	.....	2	2	1	.....
Becker.....	1	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
Benton.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
Blue Earth.....	27	10	17	1	1	1	3	4	.....	3	1	4	2	3	4	.....
Brown.....	12	7	5	.....	1	2	1	1	1	.....	1	.....	2	1	2	.....
Carlton.....	3	1	2	2	.....	1	.....	.....	.....	.....	.....	.....	.....	3	3	.....
Carver.....	16	11	5	2	.....	.....	.....	2	2	2	2	.....	.....	3	3	.....
Chippewa.....	5	3	2	1	.....	.....	1	.....	1	.....	.....	.....	.....	.....	2	.....
Chisago.....	5	2	3	.....	.....	1	.....	.....	.....	1	.....	1	.....	2	.....	.....
Clay.....	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....
Cottonwood.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
Crow Wing.....	1	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dakota.....	15	6	9	.....	3	1	1	1	1	1	.....	1	1	4	1	.....
Dodge.....	12	5	7	5	.....	1	.....	3	.....	.....	.....	1	.....	1	1	.....
Douglas.....	8	3	5	.....	.....	1	1	.....	1	1	.....	2	.....	2	.....	.....
Faribault.....	4	4	4	1	.....	.....	.....	2	2	.....	1	.....	1	.....	.....	.....
Fillmore.....	46	17	29	8	5	4	4	5	2	4	2	2	4	4	2	.....
Freeborn.....	12	7	5	.....	.....	2	1	1	3	1	1	.....	2	1	.....	.....
Goodhue.....	34	19	15	3	3	4	1	7	.....	1	3	3	3	3	3	.....
Grant.....	1	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
Hennepin.....	76	35	41	7	6	6	7	12	8	4	3	7	6	6	4	.....
Houston.....	20	12	8	1	3	3	2	1	1	2	1	1	2	1	2	.....
Isanti.....	3	1	2	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1	1
Jackson.....	3	2	1	1	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Kandivohl.....	5	3	2	.....	.....	1	.....	1	.....	.....	.....	.....	1	.....	1	.....
LeSueur.....	15	8	7	1	1	3	.....	2	.....	3	.....	2	3	.....	.....	.....
Lyon.....	9	.....	7	1	1	1	.....	2	.....	1	.....	3	.....	.....	.....	.....
McLeod.....	9	4	5	1	2	.....	2	.....	1	.....	.....	.....	1	1	1	.....
Martin.....	4	3	1	.....	1	.....	.....	.....	1	.....	.....	.....	2	.....	.....	.....
Meeker.....	7	6	1	1	.....	.....	.....	2	1	.....	1	.....	1	.....	1	.....
Morrison.....	3	1	2	1	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
Mower.....	26	7	13	1	.....	3	3	2	1	1	2	3	.....	1	3	.....
Murray.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nicollet.....	14	5	9	1	.....	2	1	.....	1	.....	2	1	3	2	1	.....
Nobles.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Olmsted.....	22	7	15	1	.....	4	5	3	1	1	1	1	3	2	1	.....
Otter Tail.....	7	5	2	.....	.....	2	.....	.....	1	.....	.....	3	.....	.....	1	.....
Pine.....	4	2	2	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	3	.....	.....
Polk.....	2	2	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Pope.....	5	3	2	.....	.....	1	.....	.....	1	1	1	1	.....	1	.....	.....
Ramsey.....	58	31	27	.....	10	10	6	2	6	5	2	6	7	.....	4	.....
Redwood.....	2	1	1	.....	.....	.....	1	1	.....	.....	1	.....	.....	.....	.....	.....
Renville.....	8	6	2	1	1	.....	.....	.....	2	1	.....	.....	.....	.....	2	.....
Rice.....	36	15	21	3	2	4	.....	5	2	2	2	2	4	5	5	.....
Rock.....	2	.....	2	.....	.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
Scott.....	9	3	6	.....	.....	1	.....	1	1	1	.....	2	.....	3	.....	.....
Sherburne.....	4	2	2	.....	.....	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....
Stbley.....	34	2	2	2	.....	1	.....	.....	.....	.....	.....	.....	.....	1	1	.....
Stearns.....	36	7	23	4	4	2	3	.....	6	3	3	2	1	1	.....	1
Steele.....	13	5	8	.....	1	2	3	.....	.....	1	.....	3	.....	2	1	.....
Stevens.....	1	4	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
Swift.....	5	1	1	.....	.....	2	.....	1	.....	1	.....	.....	.....	1	.....	.....
Todd.....	5	1	4	.....	.....	1	.....	.....	.....	.....	.....	1	.....	2	1	.....
Wabasha.....	17	11	6	4	.....	.....	1	1	2	3	1	1	.....	2	2	.....
Waseca.....	13	8	5	1	.....	1	.....	5	1	1	1	1	.....	2	1	.....
Washington.....	21	13	8	.....	2	2	2	1	3	2	2	2	1	3	1	.....
Watsonwan.....	6	2	4	.....	.....	.....	.....	2	.....	1	1	1	.....	1	.....	.....
Winona.....	31	10	21	1	6	2	1	3	4	1	3	1	6	2	1	.....
Wright.....	16	9	7	1	2	1	.....	1	1	2	1	1	3	.....	3	.....
Yellow Medicine.....	4	2	2	.....	.....	.....	1	.....	.....	.....	.....	.....	1	1	1	.....
Total.....	738	344	394	59	55	78	53	75	64	56	40	63	67	68	58	2

PHTHISIS PULMONALIS—Continued.

COUNTIES.	BIRTH PLACE.																						
	Minnesota.	Other States.	Germany.	Norway.	Sweden.	Ireland.	England.	British America	Other Countries	2 and under 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 and over.	Not reported.	
Anoka.....		8				2		2	2						5	3	3			2	1		
Becker.....		1														1							
Benton.....	1																						
Blue Earth.....	4	14	2	3	1			1	2	1	1			1	8	6	1	3	1	1	1	1	
Brown.....		2	6	2					2						3		2	4	2				
Carlton.....	1	1																					
Carver.....	1	3	9		1	1			1						1	1	2	5	4	2	2		
Chippewa.....	1		1	2	1					1	1				3								
Chisago.....		2			3									1		2			1	1			
Clay.....	1								1		1				1								
Cottonwood.....																	1						
Crow Wing.....	1																1						
Dakota.....	4	4	2		1			1	2	1				5	2	3	2	1	1	1	1	1	
Dodge.....	2	7						1		1	1			1	1	2	2	3	2			1	
Douglas.....	1				5	1							1	1	1	2	2	1		1		1	
Faribault.....					2				2						1		1	4	2				
Fillmore.....		5	21		17		2	1		1	1	1	1	5	14	5	10	2	2	3	2		
Freeborn.....	4	1			4	3				1	1		2	2	2	1	1	1		1			
Goodhue.....	4	11	3		4	6		1	1	4	1		4	5	9	7	3	2	3				
Grant.....					1									1									
Hennepin.....	11	41	5	6	1	3	1	4	4	1	1		6	6	25	15	5	5	4	3	5	1	
Houston.....	3	4	5	5	1	1			1				1	2	6	2	4	2		2	1		
Isanti.....	2					1				1									1				
Jackson.....					3									2		1							
Kandiyohi.....	3									1		2					2	4		3	1		
LeSueur.....	1		5	8					1					1	2	1	2	1	4				
Lyon.....	1		6		1		1				1				4	2	1	1					
McLeod.....	1		5	2			1						1		2		1	1	3	1			
Martin.....					1	1																	
Meeker.....		4			1	1		1							4		2		1				
Morrison.....													1								2		
Mower.....	4	11		1		3		2	1	1	1	1	5		5	2		3	1	1			
Nicollet.....	2	5	2	3	1				1	2						4	4		2	1	1		
Nobles.....																							
Olmsted.....	3	12	3	2		2				1			1		5	5	4	2	2		2		
Otter Tail.....		4		2	1					1					4		1		1				
Pine.....	4									1		1			1						1		
Polk.....				1				1							2								
Pope.....					3	1		1					1	1	2			2					
Ransom.....	27	20	5	1	1	3			1	4		1		6	20	12	6	5	1	2	1		
Redwood.....			1	1				1							1								
Renville.....			1		3	1		1	1						4		3		1				
Rice.....	3	15	7	4		3		3	1							15	8	3	1	1			
Rock.....	1			1					1														
Scott.....	3	2	2	1		1			3					1			1	2			2		
Sherburne.....	1	2						1						1					1				
Sibley.....			2	1		1									1		1	1	1				
Stearns.....	6	12	10	1				1		3		1	3		8	9	1	2		3			
Steele.....	1	5	1	2		2		2		1					2	3	4		1	1	2		
Stevens.....																							
Swift.....	1			3		1								2	1						2	1	
Todd.....		3	1							1					2			1					
Wabasha.....		9	2		1	1		2	2				1				2	3	4	3			
Waseca.....	3	7	1	2							3				4		1	2					
Washington.....	10	6				3		1	1	3		1	5		3	3	3	1	1		1		
Watsonwan.....		1	1	1	2			1	1					1		2	1		2		2		
Winona.....	6	18	3			1	1	1	2	1			2	7	10	3	2	2			4		
Wright.....		9	2		3	1									6	1	1	4	1	1			
Yellow Medicine.....		2			2										3				1				
Total.....	129	294	34	94	31	34	6	28	38	39	6	12	25	76	190	117	89	77	45	35	27		

TYPHOID FEVER.

COUNTIES.	Total.	SEX.		MONTH OF DEATH.												not reported
		Males.	Females.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Benton.....	1	1											1			
Blue Earth.....	11	7	4	1					3	1			3	2	1	
Carver.....	4	3	1					1				1		3		
Chippewa.....	1	1												1		
Chisago.....	1		1		1											
Cottonwood.....	1	1									1					
Dakota.....	5	2	3	1		1					1	1		1	1	
Dodge.....	12	7	5	1						1	1	1	4	1	3	
Faribault.....	1		1													1
Fillmore.....	17	13	4	2				1	3		3	3	2	2	1	
Freeborn.....	9	7	2				2		1			1	2	1	2	
Goodhue.....	33	17	16	1				1	2	1	2	4	11	7	2	
Hennepin.....	20	10	10	2	1		1	2	1		3	4	2	3	1	
Houston.....	5	1	4				1	1				1		2		
Isanti.....	4	3	1					1			2				1	
Jackson.....	1	1						1					1			
Le Sueur.....	3	1	2					1	1	1						
Meeker.....	6	5	1									2		3	1	
Morrison.....	1	1	1					1								
Mower.....	16	10	6		2			1		1	3	2	3	3	1	
Nicollet.....	3	2	1				1		1						1	
Nobles.....	3		3						1						2	
Olmsted.....	6	2	4									2	2	1	1	
Otter Tail.....	3	1	2								1	1	1			
Pine.....	3	2	1				1					1			1	
Pope.....	1	1	1								1					
Ramsey.....	20	8	12		4			1	1	1	3	3	2	4	1	
Renville.....	1	1					1									
Rice.....	11	5	6	1	1			1	1		2	1	2	1	1	
Rock.....	2	2												2		
Scott.....	7	4	3				1	1			2	1	1		1	
Sherburne.....	1		1										1			
Stearns.....	2	2	1						1							
Steele.....	5	3	2								1			3	1	
Stevens.....	1	1											1			
Todd.....	1	1	1									1				
Wabasha.....	11	5	6	2			1		1		1	2	2	1	1	
Waseca.....	3	2	1									1	1		1	
Washington.....	1		1	1												
Wilkin.....	2	1	1		1				1							
Winona.....	16	8	8									6	5	4	1	
Total.....	251	139	116	5	9	9	12	13	17	6	27	39	47	44	26	1

TYPHOID FEVER.

COUNTIES.	Amer. father.	Amer. mother.	PARENT NATIVITY.							
			Other states.	Germany.	Norway.	Sweden.	Ireland.	England.	British America.	Other countries and unknown.
Benton.....								1		
Blue Earth.....	2		2	3		1				3
Carver.....				2		1				1
Chippewa.....						1				
Chisago.....						1				
Cottonwood.....			1							
Dakota.....				2			3			
Dodge.....			5	3	2					2
Faribault.....			1							
Fillmore.....			6	3	3					5
Freeborn.....	1		1	2	1					4
Goodhue.....	1	1	3	3	12	13				
Hennepin.....			3	3		1			1	12
Houston.....			2	1			2			
Isanti.....						4				
Jackson.....			1							
Le Sueur.....			1							2
Mseker.....			3			2				1
Morrison.....				1						
Mower.....			6	1	1	1	1			6
Nicollet.....			1		2					
Nobles.....			1							2
Olmsted.....			1				2			3
Otter Tail.....					2	1				
Pine.....			1	2						
Pope.....					1					
Ramsey.....			3	8		1	3	1		4
Renville.....					1					
Rice.....	1		4		2			1	1	2
Rock.....			1		1					
Scott.....			2	3			1			1
Sherburne.....			1							
Stearns.....			1	1						
Steele.....			1	2			1		1	
Stevens.....			1							
Todd.....			1							
Wabasha.....			3	2	1	1	1			3
Wesaca.....			2	1						
Washington.....				1						
Wilkin.....			1							1
Winona.....		1	2	7			1			5
Total.....	5	2	62	51	29	28	15	3	3	57

TYPHOID FEVER.

COUNTIES.	BIRTHPLACE OF DEC'D.																					
	Minnesota.	Other states.	Germany.	Norway.	Sweden.	Ireland.	England.	British Am.	Other coun-tries.	2 and under 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	And over.	
Benton.....		1													1							
Blue Earth.....	3	7			1								2	5	2		1	1				
Carver.....	3				1						1	1	1		1							
Chippewa.....					1										2							
Chisago.....	1												1			1						
Cottonwood.....		1																	1			
Dakota.....	1	3				1									2	1		1				
Dodge.....	6	5		1								4	2	2	3							
Faribault.....		1																				
Fillmore.....		1															1					
Freeborn.....	6	10		1					2		2	2	3	2	3	2	1	1				
Goodhue.....	3	4													4	3						
Hennepin.....	16	3		5	9							3	3	15	3	3	2	1			1	
Houston.....	10	8	1		1						3	2	2	4	2				1			
Isanti.....	3	2											1							1		
Jackson.....	3				1						1	2			2							
Le Sueur.....	1											1										
Meeker.....	3											1	1	2								
Morrison.....	1	3			2						1	1	1	2		1					1	
Mower.....	5	8		1	1			1		3		1	1	3	4	1	1				2	
Nicollet.....	2	1										1	1		1							
Nobles.....	1	1											1	1	1	1						
Olmsted.....	3	2						1			1	1	1	1	1	1						
Otter Tail.....	1			1	1						1	1		1								
Pine.....	3										1											
Pope.....				1																		
Ramsey.....	5	6	5		1	2	1					2	1	3	3	4	1	3	3			
Renville.....			1															1				
Rice.....	4	4		1			1	1			1	1	1	1	2	1				1	1	
Rock.....	1	1										1										
Scott.....	2	2	2			1						1		2	1			3				
Sherburne.....	1													1								
Stearns.....		1	1														1				1	
Steele.....	3	1					1				1	1	2	1								
Stevens.....	1										1											
Todd.....		1												1								
Wabasha.....		3		1	1		1					2	2	1	2	1	1					
Waseca.....			1											3								
Washington.....													1									
Wilkin.....		2												2								
Winona.....	6	2	4						4		1	2	3	3	1	2	2	1	1			
Total.....	102	88	14	13	20	4	2	3	9	18	13	28	29	44	52	24	14	14	10	3	6	

INDEX.

	Page.
REPORT.....	3
INTRODUCTORY REMARKS.....	5
AGRICULTURE.....	9
Acreage and crops of 1877; totals.....	11
Acreage of crops for five years.....	13
Acreage percentage for five years.....	14
Acreage of 1877 and 1878.....	54
Acreage by counties.....	92
Analysis of Amber Cane Sugar.....	36
Apples in 1877.....	25
Apple trees in 1878.....	46
Apples and apple trees by counties.....	90
Average yield per acre for twelve years.....	13
Average and aggregate yield for ten years.....	15
Barley in 1877.....	20
Barley by counties.....	69
Beans in 1877.....	24
Beans by counties.....	74
Bees and honey in 1877.....	26
Bees and honey by counties.....	83
Buckwheat in 1877.....	22
Buckwheat by counties.....	70
Butter and cheese.....	38
Butter by counties.....	86
Cane, sugar.....	27
Cane, sugar by counties.....	73
Cattle by counties.....	84
Cheese and butter.....	38
Cheese factories in 1878.....	47

	Pags.
Cheese factories by counties.....	79
Cheese by counties.....	86
Clover by counties.....	80
Corn in 1877.....	19
Corn by counties.....	68
Counties producing most wheat.....	16
Cows and dairy products.....	38
Cows, milch, by counties.....	86
Crops of 1877.....	9
Crops and acreage of 1877, and acreage of 1878.....	54
Crops of 1877, preliminary tables.....	58
Dairy products of 1877.....	38
Damages by grasshoppers aggregated.....	12
Damages, preliminary tables.....	62
Damages by counties.....	93
Editors, letters to.....	56
Farms and total acreage in 1878.....	47
Farms by counties.....	91
Fair, State.....	98
Flax in 1877.....	37
Flax by counties.....	76
Forest trees.....	49
Forest trees by counties (planted).....	78
Grapes in 1877.....	25
Grape vines in 1878.....	46
Grapes and vines in counties.....	89
Grasshopper damages.....	12, 62, 92
Grass seeds.....	38
Hay, cultivated and wild.....	43
Hay, cultivated, by counties.....	75
Hay, wild, by counties.....	88
Hogs by counties.....	84
Honey.....	26
Honey by counties.....	83
Hops.....	37
Hops by counties.....	77
Horses in counties.....	84
Letter to editors.....	56
Maple sugar and syrup.....	48
Maple sugar by counties.....	81
Milch cows.....	86

	Page.
Miscellaneous products for 1878.....	49
Nurseries in 1878.....	47
Nurseries by counties.....	79
Oats crop of 1877.....	18
Oats by counties.....	67
Other products of 1877.....	11
Other products by counties.....	82
Percentage of crops.....	14
Potatoes in 1877.....	23
Potatoes by counties.....	72
Preliminary statement of crops.....	58
Preliminary table locust damages.....	62
Rye in 1877.....	21
Rye by counties.....	71
Seed, grass.....	38
Sheep and wool in 1878.....	44
Sheep and wool by counties.....	85
Strawberries.....	25
Strawberries by counties.....	87
Sugar cane in 1877.....	27
Sugar, analysis of.....	36
Sugar and syrup, maple.....	48
Sugar and cane by counties.....	73
Sugar and syrup, maple, by counties.....	81
Taxable lands in counties.....	92
Timothy by counties.....	80
Tobacco in 1877.....	26
Tobacco by counties.....	87
Total cultivated acreage in 1878.....	47
Total acreage in 1877 and 1878, compared.....	92
Total land surface in counties.....	92
Trees, forest.....	49
Trees, apple.....	46
Trees, forest, planted.....	78
Trees, apples, by counties.....	90
Vines, grape in 1878.....	49
Vines, grape, by counties.....	89
Wheat crop of 1877.....	14
Wheat crop by counties.....	85
Yield, comparative, for five years.....	12
Yield, average, for twelve years.....	13

	Page.
Yield, aggregate and average, for ten years.....	15
COMMUNICATIONS.	
Gardiner, Hon. S. S., Dairy Farming.....	39
Hodges, Hon. L. B., Forest Tree Culture.....	50
Hollister, U. S., Butter Making.....	40
Judson, R. C., State Fair.....	98
Kenny, Hon. S. H., Amber Cane Sugar.....	35
Miller, C. F., Amber Cane Sugar.....	29
Studniczka, Henry, Cane Sugar.....	31
GOVERNMENT LANDS.....	102
Communication from Gen. J. H. Baker.....	102
Exemption Laws of Minnesota.....	114
How to obtain the lands.....	113
Land Office statement for 1878.....	115
Reports from land offices.....	116
Report from Surveyor General's Office.....	112
RAILROAD LANDS.....	121
Northern Pacific Railroad.....	124
Southern Minnesota Railroad.....	122
St. Paul and Chicago.....	128
St. Paul and Duluth.....	125
St. Paul and Pacific.....	129
Winona and St. Peter.....	121
COUNTIES, TOWNS AND VILLAGES.....	130
Aitkin county.....	130
Anoka county.....	131
Becker county.....	131
Beltrami county.....	132
Benton county.....	132
Big Stone county.....	133
Blue Earth county.....	133
Brown county.....	134
Carlton county.....	135
Carver county.....	136
Cass county.....	137
Chippewa county.....	137

	Page.
Chisago county.....	137
Clay county.....	138
Cook county.....	139
Cottonwood county.....	139
Crow Wing county... ..	140
Dakota county.....	141
Dodge county.....	142
Douglas county.....	143
Faribault county.....	144
Fillmore county.....	144
Freeborn county.....	146
Goodhue county.....	147
Grant county.....	148
Hennepin county.....	148
Houston county.....	150
Isanti county.....	151
Itasca county.....	152
Jackson county.....	152
Kanabec county.....	152
Kandiyohi county.....	153
Lake county.....	154
Lac qui Parle county.....	154
Le Sueur county.....	155
Lincoln county.....	156
Lyon county.....	156
McLeod county.....	157
Martin county.....	158
Meeker county.....	159
Mille Lacs county.....	160
Morrison county.....	160
Mower county.....	161
Murray county.....	162
Nicollet county.....	163
Nobles county.....	164
Olmsted county.....	165
Otter Tail County.....	166
Pine county.....	166
Polk county.....	167
Pipestone county.....	168
Pope county.....	168
Ramsey county.....	169

	Page.
Redwood county.....	170
Renville county.....	171
Rice county.....	172
Rock county.....	173
St. Louis county.....	173
Scott county.....	174
Sherburne county.....	175
Sibley county.....	176
Stearns county.....	177
Steele county.....	178
Stevens county.....	179
Swift county.....	180
Todd county.....	181
Traverse county.....	181
Wabasha county.....	182
Wadena county.....	183
Waseca county.....	183
Washington county.....	184
Watonwan county.....	185
Wilkin county.....	186
Winona county.....	187
Wright county.....	188
Yellow Medicine county.....	189
COMMERCE AND MANUFACTURES.....	191
Banks and Banking.....	247
Board of Trade Reports.....	227
Custom House Report of Duluth.....	194
Custom House Report of Pembina.....	209
Custom House Report of St. Paul.....	212
Delano, Commercial and Manufacturing Statistics of.....	238
Duluth, Commerce and Trade of.....	194
Arrival of American and Foreign vessels.....	194, 195
Clearances of American and Foreign vessels.....	195, 196
General Statement of exports.....	197, 198
General Statement of Commodities in Transit.....	199-202
General Statement of Commodities to Foreign Countries.....	203
General Statement of Imports.....	204
Receipts of Custom House Duties and collection from other sources at Port of Duluth.....	205
Statement of the Freight Forwarded by the St. P. & D. R. R.....	206

	Page.
Statement of Freight Forwarded by the N. P. R. R.....	206
Statement of Freight Received by the N. P. R. R.....	206
Statement of Freight Received by the St. P. & D. R. R.....	241
Elk River, Commercial and Manufacturing Statistics of.....	229
Hastings, Commercial and Manufacturing Statistics of.....	236
Henderson, Commercial and Manufacturing Statistics of.....	239
Lake Superior.....	194
Logs and Lumber.....	245
Mankato, Commercial and Manufacturing Statistics of.....	229
Minneapolis Board of Trade Report.....	221
Banks.....	226
Building and Improvement in 1878.....	225
Commerce of.....	221
Churches of.....	226
Educational.....	226
List of Mills with Run of Stone.....	222
Lumber.....	223
Miscellaneous Manufactures.....	224
Manufactures.....	222
Retail Trade of.....	222
Shipment of flour in 1878.....	223
Summary of Business.....	226
Wholesale Trade in 1878.....	221
Wheat.....	223
Woolen and Cotton Manufactures of.....	224
Moorhead, Commercial and Manufacturing Statistics of.....	227
Pembina Custom House Report.....	201-211
Population in 1878.....	249
Railroads in Minnesota, 1878.....	193
Red River Valley.....	208
Red Wing, Commercial and Manufacturing Statistics of.....	232
Rushford, Commercial and Manufacturing Statistics of.....	843
St. Paul Custom House Report.....	212
St. Paul Chamber of Commerce Report.....	214
Banking.....	216
Beer made in 1878.....	216
Cigars made in 1878.....	216
Elevator business in.....	216
Freight received and shipped in 1878.....	216
Manufactures.....	215
Newspapers.....	217

Page.

Births and deaths of certain counties, with per cent. of population for 1875.....	295
Births in 1877.....	307
Births in 1877, general table.....	309-310
Births by sex.....	311
Births by nativity of parents.....	311
Births, twins.....	311
Births, illegitimate.....	312
Births, percentage to nationalities.....	312
Births and deaths in 1877—general table.....	313
Counties having the largest number of births and deaths....	307
Consumption, per cent. by quarters to annual death rate.....	305
Death rate for six years, with number living to one death.....	272
Deaths in Minnesota, quarterly, rates compared with Michigan....	293
Deaths, total by ages, with per cent total deaths for seven years....	294
Deaths by sex with per cent. to total deaths.....	295
Deaths per cent. from diseases of the zymotic class.....	298-301
Deaths from diphtheria, with sex, age and per cent. to total deaths.	302
Deaths by nativity and sex, average number per annum for six years	303
Deaths in 1877, by sex and condition....	314
Deaths in 1877 by months.....	315
Deaths, causes of.....	316
Deaths by ages, zymotic class.....	317
Death by ages, constitutional diseases.....	317
Deaths by ages, local diseases.....	318
Deaths by ages, developmental diseases.....	318
Deaths, number and per cent, to total deaths, of deaths for each month during year.....	319
Death by sexes.....	320
Deaths by general classification.....	320
Deaths, cases of remarkable longevity.....	331
Deaths, table of from accidents, &c.....	332
Death from Consumption, by months.....	332
Deaths from Consumption by nativity.....	333
Death from Consumption, by quarters, for five years.....	333
Deaths from Typhoid Fever, for five years.....	333
Deaths from Typhoid Fever, per cent. to total deaths for five years..	334
Deaths, by general classification of cause and sex.....	321
Deaths, by general classification of cause and sex for 1873-4 and '75.....	322
Deaths, percentage of by classification of cause..	323
Deaths, table of from Zymotic diseases by year.....	323

	Page.
Deaths, table and percentage of to class and total.....	324
from Scarlet Fever.....	324
from Diphtheria.....	324
from Croup.....	324
from Whooping Cough.....	324
from Typhoid Fever.....	324
from Cholera Infantum.....	324
from spotted Fever.....	324
from Scarlet Fever by years and age.....	324
Deaths, table of from constitutional diseases by years.....	325
Deaths, table of from tubercular diseases by years.....	325
Deaths, table of from Consumption by sex.....	326
Deaths, table of from pulmonary diseases by years.....	326
Deaths, table of from developmental causes by years.....	327
Deaths, table of from accidents, suicides, etc.....	328
Deaths, number from general class of causes, and percentage of by years..	328
Deaths from suicide and murder by years.....	330
Death rate in State to total population.....	335
Death, per cent. of two years and under to total population.....	335
Death, per cent. of twenty years and under to total deaths.....	335
Death rate, two and under, from Zymotic diseases.....	336
Death rate under five from Zymotic diseases.....	336
Deaths, table of for city of St. Paul.....	338
Deaths, table of for city of Minneapolis.....	340
Death, general table for St. Paul and Minneapolis.....	341
Death, general table by causes of.....	342
Deaths from Phtisis Pulmonalis.....	349
Death from Typhoid Fever.....	352
Death rate for five years.....	306
Mortality under five years to total deaths.....	306
Mortality by sex in certain diseases.....	297
Measels, Scarlet Fever and Diphtheria.....	296
Parent nativity of diseased in 1877, with age and per cent.....	304
Peculiarities.....	308
Typhoid Fever, per cent. by quarter to annual death rate.....	305
Violent deaths.....	319
Vital Statistics, as compiled by Commissioner.....	307

ERRATA.

On page 6, in third line from end of second paragraph, read "inquiries of this character."

In third line from bottom of same page, read, "it is believed," instead of, "it believed."

On page 9, in tenth line, read "prefaced", instead of "prepared."

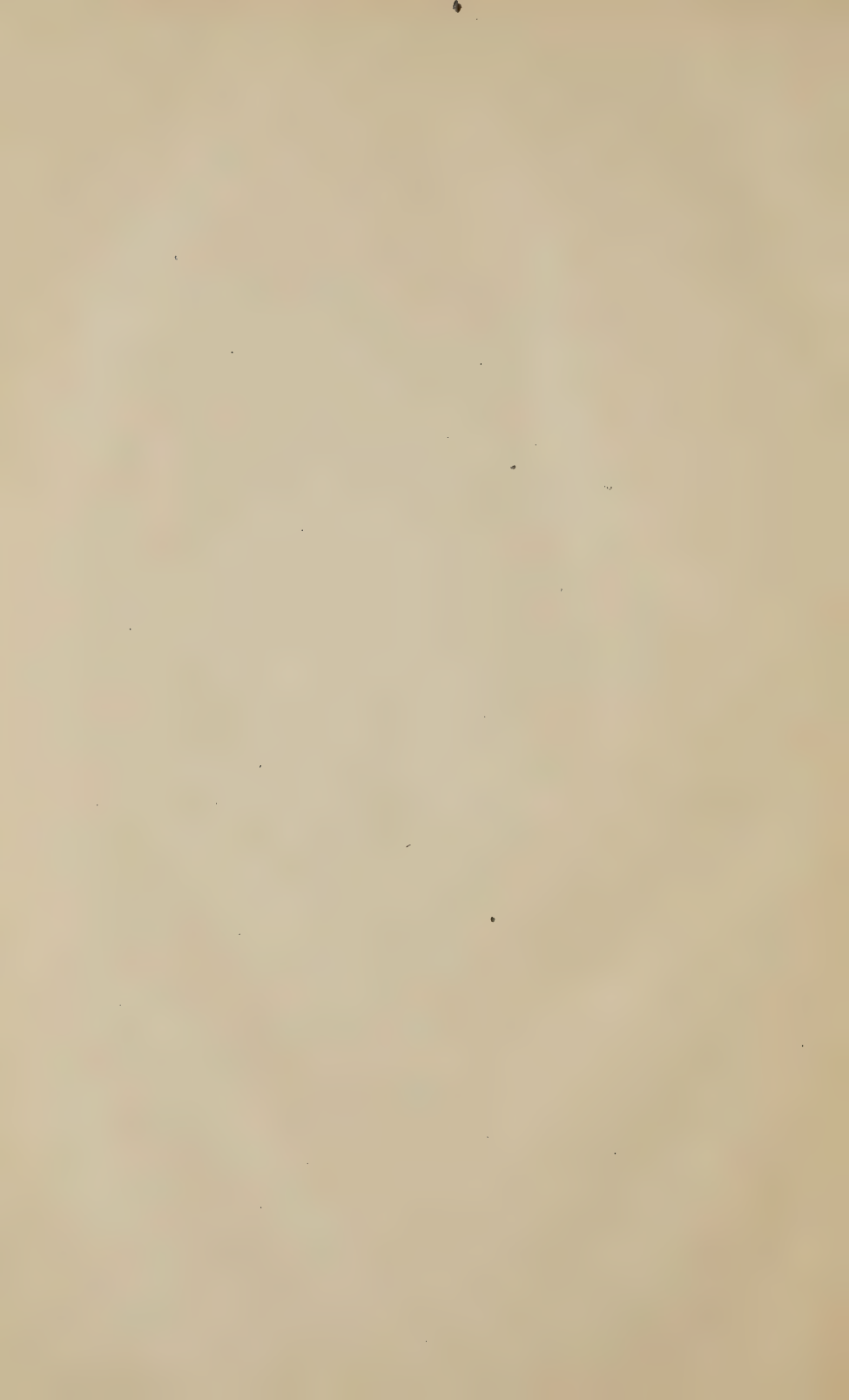
Same page, "visitation" instead of "visitation."

On page 216, cigars made, read, "4,000,000", not "\$4,000,000."

In the statements of business houses and professions reported in some counties as "Photographic Stock," should be "Photographers."

On page 251, second line, read "foregoing pages" instead of "following."

Owing to the late hour in which much of the information was received, a hasty preparation became necessary for the final completion of the work, and consequently, a few typographical, and other errors, could not be altogether avoided.



EIGHTH ANNUAL REPORT

OF THE

INSURANCE COMMISSIONER

OF THE

STATE OF MINNESOTA.

MADE TO HIS EXCELLENCY THE GOVERNOR.

MINNEAPOLIS:
JOHNSON, SMITH & HARRISON.
1879.

STATE OF MINNESOTA,
DEPARTMENT OF INSURANCE,
ST. PAUL, March 1st, 1879. }

To His Excellency John S. Pillsbury,
Governor of Minnesota:

SIR:—I have the honor to submit the Eighth Annual Report of
this department, herewith.

Very respectfully,

Your obedient servant,

A. R. MCGILL,
Insurance Commissioner.



INSURANCE COMMISSIONER'S REPORT.

PART I.

FIRE AND MARINE INSURANCE.

The aggregate business of 1878 of the insurance companies now doing business in Minnesota, as recorded in the tables herewith presented, compared with that of the previous year, while it does not afford to the companies occasion for unmixed joy, is nevertheless in many respects encouraging to them, showing, as it does, some decided advantages.

There are at this time ninety-three companies doing business in the state—an increase of two over the number reported last year. The number embraced in the tables is ninety-two—the Minnesota Farmers' Mutual being excluded on account of the dissimilarity of its business and the character of its assets, to those of the other companies.

There are seventy-six American and sixteen foreign companies in all. Of the American, three—two marine and one fire—are mutual companies, without capital. The other seventy-three are joint-stock companies with an aggregate capital of \$34,697,200, and it is a matter of congratulation that there is not one company in the entire list whose capital is impaired to the extent of a dollar. On the contrary every company has a surplus over all liabilities, capital included. The weakest company—making the amount of the surplus the measure of strength—has over two thousand dollars of surplus, and the strongest, over twenty-five hundred thous-

and! The foreign companies have no distinctive capital in this country.

The assets of the seventy-six American companies aggregate.....	\$87,809,205
And of the sixteen foreign companies.....	19,600,988
Making a grand total of.....	\$107,410,193

By reference to table B it will be seen that of the ninety-two companies therein reported, sixty-nine show an increase of assets during the past year of \$4,095,575, and the balance—23—a decrease of \$1,188,490, which indicates a net increase during 1878 of \$2,907,-085. This would show at least a degree of prosperity.

But the business of 1878 was not so great as that of the previous year. It appears that the amount written in 1878 by the ninety-two companies now doing business in the state, was less by two hundred and fifty million dollars than the amount written in 1877, by the ninety companies reporting to this department a year ago. There is shown a corresponding decrease of premium receipts of some two million dollars, and a somewhat larger decrease of losses. The increase of the aggregate re-insurance reserve is \$202,596—an amount about proportionate to the increase in the number of companies—and of the aggregate surplus, \$3,433,158.

While therefore the business of 1878 appears to have been less than that of 1877, the losses and expenses have been more than correspondingly less and the companies—considering them as a whole—are in better shape than they were a year ago. They have more ability to pay, and their liabilities, both actual and contingent, are less.

COMPANIES ADMITTED.

The following named companies have been admitted to the state since the date of the last report of this department:

1. Boylston Mutual.....Massachusetts.
2. Buffalo German.....New York.
3. Commercial.....New York.
4. Detroit F. & M.....Michigan.
5. Farragut.....New York.
6. Hoffman.....New York.
7. Newark City.....Newark.
8. New York Bowery.....New York.
9. New York City.....New York.

COMPANIES WITHDRAWN.

And the following named have withdrawn since that date:

1. Citizens.....Missouri.
2. Eliot.....Massachusetts.
3. Franklin.....Missouri.
4. Fireman's Fire.....Massachusetts.
5. Home.....Ohio.
6. Standard.....New York.
7. Washington F. & M.....Massachusetts.

AUTHORIZED COMPANIES.

The names of all fire, fire-marine, and marine insurance companies legally authorized to do business in Minnesota at the date of this report, March 1st, 1879, is embraced in the following list:

1. Etna.....Hartford, Conn.
2. Amazon.....Cincinnati, O.
3. American Central.....St. Louis, Mo.
4. American.....Chicago, Ill.
5. American Fire.....Philadelphia, Penn.
6. Atlantic.....Brooklyn, N. Y.
7. Atlantic F. & M.....Providence, R. I.
8. Boylston Mutual.....Boston, Mass.
9. Buffalo.....Buffalo, N. Y.
10. Buffalo German.....Buffalo, N. Y.
11. Commercial.....New York City.
12. Commonwealth.....Boston, Mass.
13. Connecticut Fire.....Hartford, Ct.
14. Continental.....New York City.
15. Detroit F. & M.....Detroit, Mich.
16. Equitable F. & M.....Providence, R. I.
17. Fairfield.....South Norwalk, Ct.
18. Faneuil Hall.....Boston, Mass.
19. Farragut.....New York City.
20. Fire Association.....Philadelphia, Pa.
21. Fireman's Fund.....San Francisco, Cal.
22. Franklin.....Philadelphia, Pa.
23. German American.....New York City.
24. German.....Freeport, Ill.
25. Germania.....New York City.
26. Girard F. & M.....Philadelphia, Pa.
27. Glens Falls.....Glens Falls, N. Y.
28. Hanover.....New York City.
29. Hartford.....Hartford, Ct.
30. Hoffman.....New York City.
31. Home.....New York City.

32.	Howard.....	New York City.
33.	Ins. Co. of North America...	Philadelphia, Pa.
34.	Lamar.....	New York City.
35.	Manhattan.....	New York City.
36.	Manufacturers' F. & M.....	Boston, Mass.
37.	Mercantile Mutual.....	New York City.
38.	Mercantile.....	Cleveland, O.
39.	Merchants.....	Newark, N. J.
40.	Merchants.....	Providence, R. I.
41.	Meriden.....	Meriden, Ct.
42.	Milwaukee Mechanics' Mutual.....	Milwaukee, Wis.
43.	Minnesota Farmers' Mutual.....	Minneapolis, Minn.
44.	National Fire.....	Hartford, Ct.
45.	Newark City.....	Newark, N. J.
46.	Newark Fire.....	Newark, N. J.
47.	New Hampshire.....	Manchester, N. H.
48.	New York Bowery.....	New York City.
49.	New York City.....	New York City.
50.	Niagara.....	New York City.
51.	Northern.....	Watertown, N. Y.
52.	Northwestern National.....	Milwaukee, Wis.
53.	Orient.....	Hartford, Ct.
54.	Orient Mutual.....	New York City.
55.	Pacific Mutual.....	New York City.
56.	Pennsylvania Fire.....	Philadelphia, Pa.
57.	People's.....	Newark, N. J.
58.	Phenix.....	Brooklyn, N. Y.
59.	Phoenix.....	Hartford, Ct.
60.	Providence Washington.....	Providence, R. I.
61.	Revere	Boston, Mass.
62.	Rochester German.....	Rochester, N. Y.
63.	Roger Williams.....	Providence, R. I.
64.	Security.....	New Haven, Ct.
65.	Shawmut.....	Boston, Mass.
66.	Springfield F. & M.....	Springfield, Mass.
67.	Standard.....	Trenton, N. J.
68.	Star.....	New York City.
69.	St. Joseph F. & M.....	St. Joseph, Mo.
70.	St. Nicholas.....	New York City.
71.	St. Paul F. & M	St. Paul, Minn.
72.	Trade.....	Camden, N. J.
73.	Traders.....	Chicago, Ill.
74.	Union.....	Philadelphia, Pa.
75.	Watertown.....	Watertown, N. Y.
76.	Westchester.....	New Rochelle, N. Y.
77.	Williamsburgh City.....	New York City.

Foreign Companies.

1. British America.....Toronto, Canada.
2. Commercial Union.....London, Eng.

3. Hamburg Bremen.....	Hamburg, Ger.
4. Imperial.....	London, Eng.
5. La Caisse Generale.....	Paris, Fr.
6. Lancashire.....	Manchester, Eng.
7. Liverpool and London and Globe.....	Liverpool, Eng.
8. London Assurance.....	London, Eng.
9. Northern.....	London, Eng.
10. North British and Mercantile.....	London and Edinburg.
11. North German.....	Hamburg, Ger.
12. Queen.....	London, Eng.
13. Royal.....	Liverpool, Eng.
14. Royal Canadian.....	Montreal, Canada.
15. Scottish Commercial.....	Glasgow, Scotland.
16. Western.....	Toronto, Canada.

COMPARATIVE RESULTS.

	1877.		1878.	
Number of Minnesota companies.....	2		2	
Number of companies from other states.....	75		74	
Number of companies from foreign countries.....	16		16	
Total number of companies authorized to do business in Minnesota.....	93		92	
Total cash capital of the American companies.....	\$34,694,604 05		\$35,874,358 00	
Total assets of American companies.....	84,525,535 54		87,809,205 31	
Total American assets of foreign companies.....	18,179,969 07		19,600,988 47	
Aggregate assets of all companies.....	102,705,504 61		107,410,193 78	
Total liabilities of American companies, capital included	63,782,590 06		64,354,360 67	
Total liabilities of foreign companies.....	8,176,679 09		8,876,438 33	
Aggregate liabilities of all companies.....	71,959,269 15		73,230,799 00	
Total surplus beyond liabilities, including capital.....	30,746,235 46		34,179,394 78	
Total income of all companies.....	53,240,952 44		50,215,349 71	
Total expenditures.....	48,601,613 34		44,029,690 36	
Excess of income over expenditures.....	4,639,339 10		6,185,659 35	
Total fire risks written.....	4,836,087,130 00		4,487,417,625 00	
Total fire premiums received.....	47,182,899 94		45,029,229 17	
Total marine and inland risks written.....	755,054,023 00		850,528,518 00	
Total premiums received on marine and inland risks....	7,100,070 06		6,701,746 99	
Aggregate fire, marine and inland risks written.....	5,591,141,153 00		5,337,946,143 00	
Aggregate fire, marine and inland premiums received....	54,282,970 00		51,730,976 16	
Total fire losses paid.....	24,124,131 74		21,325,432 93	
Total marine and inland losses paid.....	3,862,665 70		4,063,107 77	
Aggregate fire, marine and inland losses paid.....	27,986,797 44		25,388,540 70	
Excess of premiums received over losses paid.....	26,296,172 56		20,566,199 99	
Ratio of losses paid to premiums received.....	51 55		55	
Total outstanding risks December 31st.....	4,769,115,969 00		5,077,481,952 00	

The relative standing of the companies is about the same as at the close of the previous year, with an increase of two in the number of companies, the total capital employed shows an increase of more than one million dollars and the aggregate assets an increase of some four and one-half million dollars. The increase of aggregate liabilities is but little over one million dollars—less by some three and one-half million dollars than the increase of aggregate assets.

Total income and total expenditures both show a falling off, but the excess of income over expenditures is considerably greater than for the previous year. There is a decrease in the amount of fire risks written of two hundred and fifty million dollars, and in the fire premiums received of two million dollars and over. The marine and inland business shows an increase in the amount written of nearly a million dollars, and in the amount of premiums received a decrease of four hundred thousand dollars.

The fire losses show a decreased total of nearly three million dollars, but the marine and inland, on the other hand, show an increase of two hundred thousand dollars. On the aggregate fire and marine business the decrease of losses is two and one-half million dollars.

The total outstanding risks are proportionately about the same as a year ago, the increase, with three additional companies, being three hundred thousand dollars.

COMPANIES WHOSE EXPENDITURES EXCEEDED THEIR RECEIPTS.

Including dividends paid to stockholders, the expenditures of sixteen companies were in excess of their receipts during 1878, as per the following list:

Amazon.....	\$12,150 38
Atlantic.....	35,345 52
Boylston Mutual	41,609 03
Buffalo.....	6,537 78
Equitable F. & M.....	5,520 71
Hoffman.....	9,140 41
Mercantile Mutual.....	100,429 04
Orient Mutual.....	241,098 05
Pacific Mutual.....	76,060 31
Peoples.....	13,938 67
Roger Williams.....	53,053 83
Security.....	16,078 70
Standard.....	9,935 21
Trade.....	6,708 82
Westchester.....	50,371 54
Royal Canadian.....	19,222 16
Total.....	<u>\$697,200 16</u>

A similar list to the above published in the report of this department of last year, embraced twenty-seven companies and a total of \$1,134,160.92.

CAPITAL.

The aggregate amount of capital employed by the seventy-three joint stock companies now doing business in the state, is \$34,697,-200—an increase of \$1,002,596 over the amount reported by the seventy-one companies authorized to do business in the state one year ago. The Meriden, of Conn., the National, of Conn., and the Star, of N. Y., have each added, since the last report, \$100,000 to their paid up capital, and the Newark Fire shows a reduction of \$4,604.00, leaving its capital \$250,000, even. No other changes are reported.

ASSETS.

The aggregate amount of assets of the whole number of companies herein reported is \$107,410,193.78, classified as follows, as shown in table B:

Value of real estate owned	\$7,358,180 82
Loans on real estate.....	20,243,674 50
U. S. Bonds, owned.....	37,266,103 12
All other bonds and stocks.....	25,382,100 46
Collateral loans.....	3,030,757 68
Cash on hand and in bank.....	7,454,324 35
Premiums in course of collection.....	6,052,908 66
All other assets.....	622,144 19
Total assets....	\$107,410,193 78

LIABILITIES.

The aggregate amount of liabilities—table C—may be thus classified:

Paid up capital.....	\$35,874,358 00
Reinsurance reserve.....	31,808,916 33
Unpaid losses.....	4,650,202 41
Other liabilities.....	897,322 26
Total liabilities.....	\$73,230,799 00

INCOME.

Table D shows the aggregate income and the sources thereof, as follows:

From premiums.....	\$45,954,740 69
From interest and dividends.....	3,874,467 42
From rents and all other sources.....	386,141 60
Total income.....	\$50,215,349 71

EXPENDITURES.

The aggregate expenditures and the objects thereof, are shown in table E. Following are the items, in the aggregate:

For losses.....	\$25,388,540 70
For dividends	4,484,809 64
For commissions.....	6,997,784 43
For salaries.....	3,686,862 38
For taxes.....	1,183,106 81
All other expenditures.....	2,288,586 40
Total expenditures.....	<u>\$44,029,690 36</u>

TABLES.

The usual statistical tables are herewith presented. It is not considered necessary to refer to them in detail.

STATISTICAL TABLES.

TABLE A.

Showing the Names and Location of all Insurance Companies authorized to do business in Minnesota on the first day of March, 1879, together with the names of the Presidents and Secretaries of said Companies, and the names and residences of the Attorneys to accept service of process for said Companies in Minnesota.

Companies.		Location.	OFFICERS.			Attorneys to accept service of process.	
			President.	Secretary.	Name.	Residence.	
1	Etna.....	Hartford, Ct.	Lucius J. Hendee.....	Jotham Goodnow.....	E. E. Hughson.....	St. Paul.	
2	Amazon.....	Cincinnati, O.	Gazzam Gano.....	E. H. Beattie.....	Chas. Sandrew.....	St. Paul.	
3	American Central.....	S. Louis, Mo.	George T. Cram.....	James Newman.....	C. H. Bigelow.....	St. Paul.	
4	American.....	Chicago, Ills.	H. Z. Culver.....	Chas. L. Currier.....	D. G. Currier.....	Owatonna.	
5	American Fire.....	Philadelphia, Pa.	Thos. R. Maris.....	A. C. L. Crawford.....	G. W. Lanson.....	St. Paul.	
6	Atlantic.....	Brooklyn, N. Y.	J. D. Cocks.....	W. D. Cornell.....	H. L. Moss.....	St. Paul.	
7	Atlantic F. & M.....	Providence, R. I.	J. S. Parish.....	T. W. Hayward.....	L. F. A. Studdart.....	St. Paul.	
8	Boylston Mutual.....	Boston, Mass.	J. W. Balch.....	W. Glover.....	J. J. Watson.....	St. Paul.	
9	Buffalo.....	Buffalo, N. Y.	P. P. Pratt.....	E. B. Smith.....	Isaac McNair.....	Minneapolis.	
10	Buffalo German.....	Buffalo, N. Y.	Philip Becker.....	O. J. Eggert.....	M. D. Miller.....	St. Paul.	
11	Commercial.....	New York City.....	M. V. B. Fowler.....	D. Quackinbush.....	M. D. Miller.....	St. Paul.	
12	Commonwealth.....	Boston, Mass.	John Hitchcock.....	Saml. Appleton.....	J. J. Watson.....	St. Paul.	
13	Connecticut.....	Hartford, Ct.	M. Bennett, Jr.....	C. R. Burt.....	H. L. Moss.....	St. Paul.	
14	Continental.....	New York City.....	George T. Hope.....	Cyrus Peck.....	A. E. McGill.....	St. Paul.	
15	Detroit F. & M.....	Detroit, Mich.	C. Van Husan.....	J. J. Clark.....	C. H. Bigelow.....	St. Paul.	
16	Equitable F. & M.....	Providence, R. I.	F. W. Arnold.....	J. E. Tillinghast.....	L. F. A. Studdart.....	St. Paul.	
17	Fairfield.....	South Norwalk, Ct.	W. S. Hanford.....	H. R. Turner.....	John S. Prince.....	St. Paul.	
18	Faneuil Hall.....	Boston, Mass.	K. S. Chaffee.....	H. D. Bradbury.....	A. R. McGill.....	St. Paul.	
19	Farragut.....	New York City.....	J. M. Furman.....	Saml. Darbee.....	E. M. Christian.....	Minneapolis.	
20	Fire Association.....	Philadelphia, Pa.	W. T. Butler.....	Jacob Lex.....	E. B. Ames.....	Minneapolis.	
21	Fireman's Fund.....	San Francisco, Cal.	D. J. Staples.....	George D. Dornin.....	E. B. Ames.....	Minneapolis.	
22	Franklin.....	Philadelphia, Pa.	A. G. Baker.....	E. T. Cresson.....	J. H. Weed.....	St. Paul.	
23	German American.....	New York City.....	E. Oelbermann.....	J. A. Silvey.....	E. B. Ames.....	Minneapolis.	
24	German.....	Freeport, Ills.	M. Bettinger.....	Fred. Gund.....	A. R. McGill.....	St. Paul.	
25	Germania.....	New York City.....	R. Garrigue.....	H. Schumann.....	E. G. Hale.....	St. Paul.	

26 Girard F. & M.	Philadelphia, Pa.	A. S. Gillett.	P. C. Royce.	C. H. Bigelow.	St. Paul.
27 Glen's Falls.	Glen's Falls, N. Y.	R. M. Little.	J. L. Crawford.	C. H. Bigelow.	St. Paul.
28 Hanover.	New York City.	B. S. Walcott.	C. L. Roe.	J. H. Weed.	St. Paul.
29 Hartford.	Hartford, Ct.	G. L. Chase.	J. D. Browne.	H. B. Hodges.	St. Paul.
30 Hoffman.	New York City.	M. F. Hodges.	J. D. McIntyre.	L. B. Hodges.	St. Paul.
31 Home.	New York City.	C. J. Martin.	J. H. Washburn.	E. E. Hughson.	St. Paul.
32 Howard.	New York City.	H. A. Oakley.	C. A. Hull.	I. F. A. Studdart.	St. Paul.
33 Insurance Company of North America.	Philadelphia, Pa.	Charles Platt.	M. Maris.	S. S. Eaton.	St. Paul.
34 Lamar.	New York City.	I. N. St. John.	W. N. McDiarmid.	C. H. Bigelow.	St. Paul.
35 Manhattan.	New York City.	A. J. Smith.	L. F. Carman.	S. S. Eaton.	St. Paul.
36 Manufacturers' F. & M.	Boston, Mass.	Sam'l Gould.	A. J. Goodrich.	S. S. Eaton.	St. Paul.
37 Mercantile Mutual.	New York City.	A. J. Montgomery, Jr.	G. A. Tisdale.	S. S. Eaton.	St. Paul.
38 Mercantile.	Cleveland, O.	W. J. Gordon.	Henry Fowles.	J. J. Watson.	St. Paul.
39 Merchants'.	Newark, N. J.	Silas Merchant.	Charles Foster.	I. McNair.	Minneapolis.
40 Merchants.	Providence, R. I.	Walter Faine.	E. B. Cowles.	L. F. A. Studdart.	St. Paul.
41 Meriden.	Meriden, Ct.	S. W. Clarke.	E. B. Cowles.	J. S. Prince.	St. Paul.
42 Milwaukee Mechanics' Mutual.	Milwaukee, Wis.	C. Preusser.	A. J. Cramer.	W. S. M. Abbott.	Minneapolis.
43 National.	Hartford, Ct.	Mark Howard.	James Nichols.	H. L. Moss.	St. Paul.
44 Newark City.	Newark, N. J.	H. J. Poinier.	Henry Scholpe.	R. F. Marvin.	St. Paul.
45 Newark Fire.	Newark, N. J.	C. M. Woodruff.	J. J. Henry.	A. R. McGill.	St. Paul.
46 New Hampshire.	Manchester, N. H.	E. A. Straw.	J. C. French.	J. G. McFarlane.	Minneapolis.
47 New York Bowery.	New York City.	Geo. G. Taylor.	J. A. Delaney.	E. M. Christian.	Minneapolis.
48 New York City.	New York City.	R. S. Franklin.	W. M. Randall.	R. F. Marvin.	St. Paul.
49 Niagara.	New York City.	H. A. Howe.	P. Notman.	Thos. Cochran, Jr.	St. Paul.
50 Northern.	Watertown, N. Y.	G. Lord.	A. H. Wray.	C. H. Bigelow.	St. Paul.
51 Northwestern National.	Milwaukee, Wis.	Alex. Mitchell.	J. P. McGregor.	I. F. A. Studdart.	St. Paul.
52 Orient.	Hartford, Ct.	S. C. Preston.	Geo. W. Lester.	J. H. Weed.	St. Paul.
53 Orient Mutual.	New York City.	Eugene Dutilh.	Chas. Irving.	Geo. Spencer.	St. Paul.
54 Pacific Mutual.	New York City.	H. J. Moody.	W. Powell.	S. S. Eaton.	St. Paul.
55 Pennsylvania Fire.	Philadelphia, Pa.	John Devereux.	W. G. Crowell.	E. R. Pierce.	Minneapolis.
56 Peoples'.	Newark, N. J.	J. M. Randall.	I. H. Lindsley.	M. D. Miller.	St. Paul.
57 Phenix.	Brooklyn, N. Y.	Stephen Crowell.	T. H. Crowell.	J. H. Weed.	St. Paul.
58 Phenix.	Hartford, Conn.	Henry Kellogg.	D. W. C. Skelton.	J. H. Weed.	St. Paul.
59 Providence Washington.	Providence, R. I.	J. H. DeWolf.	W. S. Greene.	I. F. A. Studdart.	St. Paul.
60 Revere.	Boston, Mass.	J. H. Wellman.	J. W. Belcher.	M. D. Miller.	St. Paul.
61 Rochester German.	Rochester, N. Y.	F. Cook.	R. Vay.	A. V. Teeple.	St. Paul.
62 Roger Williams.	Providence, R. I.	J. W. Davenport.	W. H. Fredericks.	I. F. A. Studdart.	St. Paul.
63 Security.	New Haven, Ct.	Chas. Peterson.	Herbert Mason.	W. G. Teller.	Minneapolis.
64 Shawmut.	Boston, Mass.	W. S. Denny.	Jas. Britton.	S. S. Eaton.	St. Paul.
65 Springfield F. & M.	Springfield, Mass.	D. R. Smith.	S. J. Hall.	S. S. Eaton.	St. Paul.

TABLE A.—Continued.

Companies.	Location.	OFFICERS.		Attorneys to accept service of process.	
		President.	Secretary.	Name.	Residence.
66 Standard.	Trenton, N. J.	Wm. Dolton.	J. B. Wright.	A. R. McGill.	St. Paul.
67 Star.	New York City.	N. C. Miller.	J. M. Hodges.	H. L. Moss.	St. Paul.
68 St. Joseph F. & M.	St. Joseph, Mo.	A. P. Goff.	J. H. Rice.	E. B. Ames.	Minneapolis.
69 St. Nicholas.	New York City.	Wm. Winslow.	Jacob DuBois.	R. F. Marvin.	St. Paul.
70 St. Paul F. & M.	St. Paul, Minn.	C. H. Bigelow.	C. A. Eaton.	Company.	St. Paul.
71 Trade.	Camden, N. J.	D. L. Taylor.	Edmund May.	R. F. Marvin.	St. Paul.
72 Traders'.	Chicago, Ill.	Chas. Constock.	R. J. Smith.	E. B. Ames.	Minneapolis.
73 Union.	Philadelphia, Pa.	R. S. Smith.	J. B. Craven.	I. M. Nair.	Minneapolis.
74 Watertown.	Watertown, N. Y.	W. Ives.	J. M. Adams.	R. F. Marvin.	St. Paul.
75 Westchester.	New Rochelle, N. Y.	G. J. Penfield.	G. R. Crawford.	C. H. Bigelow.	St. Paul.
76 Williamsburgh City.	New York City.	Edmund Duggs.	N. W. Meserole.	G. W. Lamson.	St. Paul.
FOREIGN COMPANIES' U. S. BRANCHES.					
1 British America.	Toronto, Canada.	P. Patterson.	F. A. Ball.	E. B. Ames.	Minneapolis.
2 Commercial Union.	London, Eng.	Alfred Fell, Manager.	New York.	C. H. Bigelow.	St. Paul.
3 Hamburg Bremen.	Hamburg, Ger.	Wm. Gosler.	Alfred Klauhold.	J. H. Weed.	St. Paul.
4 Imperial.	London, Eng.	R. D. Alliger, Man'gr.	New York.	C. H. Bigelow.	St. Paul.
5 La Caisse Generale.	Paris, France.	J. LeCesne, Resident.	Secretary, New York.	Chas. Sandrew.	St. Paul.
6 Lancashire.	Manchester, Eng.	H. Robertson, Man'gr.	New York.	S. S. Eaton.	St. Paul.
7 Liverpool & London & Globe.	Liverpool & London.	J. E. Pulsford.	New York.	J. A. Prince.	St. Paul.
8 London Assurance.	London, Eng.	B. Lockwood.	"	Isaac McNair.	Minneapolis.
9 Northern.	London, Eng.	R. D. Alliger.	"	Chas. Bigelow.	St. Paul.
10 North British & Mercantile.	London & Edinburgh.	White & Bagden	"	S. C. Gale.	Minneapolis.
11 North German.	Hamburg, Ger.	C. Kuhl.	"	I. F. A. Studdart.	St. Paul.
12 Queen.	London, Eng.	Wm. H. Ross.	"	A. R. McGill.	St. Paul.
13 Royal.	Liverpool, Eng.	C. H. Case.	"	S. S. Eaton.	St. Paul.
14 Royal Canadian.	Montreal.	A. Robertson.	Northwestern States.	I. McNair.	Minneapolis.
15 Scottish Commercial.	Glasgow, Scotland.	E. W. Crowell, Man'gr.	New York.	E. B. Ames.	Minneapolis.
16 Western.	Toronto, Canada.	John McMurich.	J. J. Kenny.	Johnson & King.	St. Paul.

TABLE B.

Showing the several items comprising the ASSETS at the close of 1878, of Fire and Marine Insurance Companies, operating in Minnesota for the year 1878.

COMPANIES.	Value of Real Estate owned.	Loans secured by mortgages on Real Estate.	Market value of U.S. bonds owned.	Market value of all other bonds and stocks owned.	Loans secured by bonds and stocks as collateral.	Cash on hand and in bank.	Premiums in course of collection.	All other Assets.	Total admitted Assets.	Increase or decrease as compared with 1877. (- shows decrease.)
Etna.....	\$305,000 00	\$88,748 83	\$378,500 00	\$5,097,523 60	\$ 4,080 00	\$592,393 23	\$380,818 73	\$7,083 31	\$6,314,147 79	\$130,280 64
Amazon.....	208,160 00	149,554 86	117,072 50	8,500 00	11,383 97	18,897 76	23,780 30	7,034 84	604,414 23	54,252 27
American Central.....	8,000 00	375,629 58	293,500 00	443,080 00	273,445 33	25,871 13	39,662 90	802,114 03	11,808 53	18,864 38
American Fire.....	135,100 00	419,805 80	349,675 00	274,228 75	43,158 66	46,908 98	27,160 17	5,803 17	1,331,891 80	42,380 29
Atlantic.....	152,280 26	87,555 01	211,137 50	14,150 00	20,350 00	46,368 74	16,881 09	147 87	396,590 21	37,155 64
Atlantic F. & M.....	18,000 00	243,920 34	40,210 00	422,355 00	20,875 00	4,780 69	7,141 93	4,468 58	254,022 46	5,496 10
Boylston Mutual.....	275,000 00	35,503 50	214,000 00	145,763 95	14,300 00	85,219 86	67,666 04	4,378 11	902,624 55	16,835 95
Buffalo.....	.....	.....	202,680 00	.....	.....	64,234 11	14,067 23	2,442 27	294,743 41	.....
Buffalo German.....	.....	.....	.....	145,763 95	.....	50,938 00	29,475 32	766 16	754,406 93	.....
Commercial.....	.....	70,142 86	292,222 50	75,745 00	4,900 00	25,740 64	40,194 71	1,744 11	510,689 85	7,800 94
Commonwealth.....	.....	213,126 57	119,675 00	222,323 25	62,000 00	12,274 46	22,765 50	2,626 73	654,791 51	52,852 08
Concord.....	.....	156,200 00	542,600 00	548,295 00	25,650 25	125,754 94	42,665 22	.....	1,441,165 41	153,838 43
Continental.....	690,000 00	621,513 69	1,064,250 00	340,674 50	289,510 00	160,793 08	142,984 54	18,045 93	3,327,771 74	.....
Detroit F. & M.....	49,809 44	376,173 00	31,275 00	2,100 00	7,500 00	34,190 00	14,989 14	2,766 71	512,892 80	6,149 63
Equitable F. & M.....	115,000 00	15,000 00	49,125 00	131,000 00	1,000 00	41,493 69	8,271 14	2,923 00	334,273 83	4,543 91
Fairfield.....	56,035 35	111,511 35	58,162 50	25,785 00	11,824 43	22,369 93	23,114 82	7,479 30	316,883 92	8,961 66
Faneuil Hall.....	71,160 00	101,886 14	57,257 50	207,281 26	11,000 00	47,803 08	41,065 01	2,469 65	519,942 64	.....
Farragut.....	43,020 96	25,972 50	273,781 25	9,900 00	59,500 00	9,058 29	7,909 10	1,252 25	429,834 53	.....
Fire Association.....	78,920 70	1,282,432 22	454,425 00	1,097,896 33	.....	199,794 67	107,782 41	7,875 00	3,229,050 33	97,864 02
Fireman's Fund.....	200,000 00	181,819 49	147,812 50	38,220 00	44,870 00	45,343 55	76,800 29	4,352 27	761,221 10	22,583 64
Franklin, Pa.....	376,400 00	2,193,154 92	367,700 00	165,000 00	12,375 00	200,101 56	46,965 57	1,441 87	3,363,218 92	226 82
German American.....	11,000 00	392,495 17	1,684,420 00	521,000 00	123,800 00	147,338 75	95,221 98	.....	2,471,780 73	160,223 37
Germania.....	.....	.....	.....	59,745 65	1,550 00	56,304 14	17,101 64	3,326 50	451,526 10	23,734 53
Germania.....	74,418 43	563,156 00	695,687 50	193,445 00	21,500 00	55,323 01	61,704 70	13,594 16	1,678,828 80	47,005 01
Glad F. & M.....	333,100 00	361,092 32	179,632 50	194,296 00	8,146 00	59,679 24	24,829 85	9,422 54	1,130,336 45	53,100 40
Glen's Falls.....	11,200 00	338,655 14	428,756 25	15,000 00	44,500 00	65,314 80	21,356 87	.....	900,833 56	49,831 14
Hanover.....	7,225 93	201,547 71	1,106,987 50	175,575 00	10,500 00	77,617 75	72,124 50	2,668 41	1,683,796 82	62,098 34
Hartford.....	614,175 00	789,978 20	269,492 00	1,148,548 00	.....	266,409 67	240,076 70	30,007 67	3,358,687 84	102,156 65

TABLE B—Continued.

COMPANIES.	Value of Real Estate owned.	Loans secured by mortgages on Real Estate.	Market value of U.S. Bonds owned.	Market value of all other bonds and stocks owned.	Loans secured by bonds and stocks as collateral.	Cash on hand and in bank.	Premiums in course of collection.	All other Assets.	Total admitted Assets.	Increase or decrease as compared with 1877. (—shows decrease.)
Hoffman.	\$ 29,865 12	\$ 128,829 50	\$ 133,943 75	\$ 40,300 00	\$ 3,750 00	\$ 20,279 15	\$ 9,016 40	\$ 442 00	\$ 366,425 92	.....
Horne.	104,430 87	2,111,423 70	2,226,125 00	1,418,543 00	242,195 47	117,432 64	156,505 93	13,695 93	6,890,352 40	280,825 65
Howard.	115,000 00	42,498 92	428,332 00	128,360 00	600 00	19,643 46	19,643 95	5,408 97	758,253 30	11,734 80
Ins.Co. of N. Amer	132,853 08	1,613,308 58	1,170,250 00	2,548,170 00	95,080 69	429,168 48	555,411 28	7,766 69	6,552,008 80	90,279 10
Lamar. ....	.....	72,753 00	277,650 00	15,100 00	6,700 00	11,642 80	15,195 88	3,552 22	402,593 92	5,033 21
Manhattan.	20,881 96	176,860 20	378,500 00	28,700 00	35,400 00	77,592 90	92,890 37	14,855 01	825,080 44	32,441 39
Manis. F. & M.	84,000 00	81,929 26	.....	372,233 00	165,315 72	341,432 66	12,138 52	71,138 69	1,143,188 69	—
Mercantile Mu. ....	.....	.....	155,728 00	290,905 00	10,000 00	91,839 51	293,013 57	11,100 84	893,586 92	73,695 97
Mercants, N. J.	125,060 00	411,309 18	242,190 00	137,000 00	8,900 00	30,431 32	18,725 47	4,219 55	376,974 85	15,946 66
.....	.....	.....	.....	170,400 00	69,035 00	40,973 94	27,290 69	10,167 35	1,087,316 16	48,334 14
Merchants, R. I. ....	.....	35,231 66	20,425 00	222,435 00	.....	71,960 59	15,596 07	125 00	365,773 32	5,164 45
Meriden. ....	.....	1,857 39	213,100 00	116,117 00	20,185 00	48,622 32	35,672 59	725 90	436,580 50	16,762 34
Mil. Mech. Mu.	42,926 00	90,770 98	274,393 30	97,550 00	6,400 00	45,338 07	19,236 64	783 75	577,998 51	50,845 92
National.	22,296 72	379,074 25	52,250 00	552,550 00	600 00	72,993 72	18,500 00	5,740 95	1,104,003 64	63,282 67
Newark City.	84,500 00	108,748 83	27,813 75	32,920 00	.....	49,792 48	7,427 18	1,414 30	312,616 54	.....
Newark Fire.	57,500 00	413,809 24	160,600 00	53,187 50	.....	40,900 88	10,415 99	3,549 50	740,113 11	.....
New Hampshire. ....	.....	61,083 86	192,843 75	241,894 75	36,000 00	22,344 50	10,380 54	3,100 00	507,616 90	25,594 96
N. York Bowery. ....	.....	175,409 24	478,271 00	69,250 00	42,750 00	7,682 44	10,930 10	1,693 68	785,986 46	.....
New York City. ....	.....	10,958 33	360,875 00	25,100 00	.....	20,238 08	12,212 77	1,146 67	420,630 85	.....
Niagara.	23,500 00	107,727 50	955,250 00	16,540 00	149,600 00	14,874 00	55,022 00	7,136 50	1,329,650 00	38,929 00
Northern.	42,957 00	145,746 12	69,554 62	30,400 00	22,141 72	69,648 90	26,545 82	472 49	910,465 67	39,354 33
N. W. National. ....	.....	133,013 33	394,350 00	235,400 00	.....	106,301 78	29,259 04	3,453 30	421,777 45	73,557 95
Orient.	28,767 31	169,736 68	10,650 00	482,273 00	26,505 00	56,212 70	27,066 72	8,330 15	787,541 56	9,262 55
Orient Mutual.	350,029 18	.....	214,562 50	1,000 00	250 00	56,697 68	420,099 27	.....	1,042,628 63	488,996 45
Pacific Mutual. ....	.....	.....	334,640 00	27,200 00	118,000 00	123,029 85	71,776 40	200 00	674,846 25	133,983 90
Penn'a Fire.	97,515 72	395,886 50	127,700 00	960,680 50	2,200 00	53,512 30	77,763 02	.....	1,855,238 04	150,756 68
People's.	156,259 86	136,284 55	106,500 00	9,900 00	23,875 00	38,995 78	28,358 66	2,340 14	502,513 99	14,829 30
Phoenix.	256,500 00	224,628 83	1,078,413 00	445,962 06	76,375 00	474,070 95	92,265 64	54,188 68	2,702,406 15	23,347 29
Phoenix.	135,000 00	130,135 00	159,250 00	1,506,528 09	122,530 00	410,390 34	153,455 28	6,794 03	2,624,082 74	137,888 08
Provide'ce Wash. ....	.....	.....	150,600 00	354,220 00	.....	52,375 76	54,728 93	3,283 00	615,207 69	5,867 02
Revere. ....	.....	64,099 45	.....	158,127 00	22,300 00	16,671 23	11,669 53	705 94	274,573 15	229 65
Rochester Germ.	1,961 14	125,352 00	107,875 00	21,000 00	.....	70,175 75	11,606 25	1,650 01	409,620 15	40,590 10

Roger Williams...	58,859 19	155,160 00	38,305 05	35,431 68	3,878 33	291,634 25	57,510 71
Security	15,000 84	176,575 00	26,768 19	33,291 33	6,126 58	363,267 57	16,403 84
Shawmut	800 00	402,315 00	35,554 54	25,455 29	14,130 44	650,267 35	14,894 74
Springfield F. & M.	159,900 00	871,155 00	85,730 84	111,000 00	13,365 07	1,700,620 63	138,856 27
Standard	10,581 87	51,571 25	17,532 28	35,367 01	2,462 50	303,502 04	2,197 82
Star	31,061 68	11,450 00	8,521 73	23,368 57	3,877 31	600,567 44	*182,192 91
St. Joseph F. & M.	16,205 87	188,732 01	22,675 00	23,808 13	8,267 39	406,635 44	36,125 47
St. Nicholas	8,330 58	9,222 00	8,636 95	8,168 93	4,731 27	236,803 90	7,435 51
St. Paul F. & M.	122,163 77	174,322 66	43,332 16	55,448 80	18,593 72	841,900 33	16,155 99
Trade	49,750 00	3,845 00	5,221 25	28,923 72	6,108 59	276,813 59	7,529 16
Traders	620,375 00	90,298 12	56,082 75	30,900 06	9,551 47	819,736 20	17,621 51
Union	10,779 75	248,209 27	12,865 31	38,469 05	9,769 98	366,593 36	34,115 38
Watertown	36,465 46	1,000 00	66,090 39	87,375 45	5,306 13	764,816 04	23,547 92
Westchester	33,707 43	510,793 75	8,600 00	62,781 01	1,929 05	832,765 61	61,251 60
Williamsburg City.	90,741 55	257,200 07	35,267 69	31,119 46	8,302 16	930,708 41	63,293 30
Total	\$6,379,937 86	\$19,019,910 66	\$22,735,462 37	\$25,084,836 59	\$3,030,757 68	\$87,809,205 31	.....
*Of which \$100,000 is increased capital.							
FOREIGN COMPANIES—U. S. BRANCHES.							
British America.	520,187 50	50,750 00	50,012 75	49,595 65	1,534 06	672,079 96	31,774 34
Com'rial Union.	1,277,996 00	.....	80,729 62	135,220 43	.....	1,494,046 05	343,722 85
Hamb'g Bremen	702,070 00	.....	40,675 60	36,508 97	.....	778,254 57	62,344 16
Imperial	678,716 00	15,300 00	22,991 00	16,527 00	.....	899,037 00	43,213 28
LaCaisse General	349,440 00	.....	33,700 00	59,083 94	1,266 67	449,490 61	40,366 13
Lancashire	760,750 00	.....	25,538 38	40,076 62	.....	826,305 00	82,577 98
Liverp'l & Lond'n	1,726,587 50	84,300 00	328,147 87	339,050 66	35,260 10	4,250,765 46	293,538 11
London As'urance	995,125 00	.....	39,215 97	21,677 03	.....	1,123,062 51	172,406 36
Northern	623,559 00	.....	31,824 00	16,327 00	.....	671,910 00	97,240 00
N. British & Mer.	1,440,680 00	106,288 87	103,382 92	129,643 18	2,848 26	1,782,813 23	71,898 94
North German	313,726 25	.....	30,198 82	13,679 38	.....	357,604 45	63,579 15
Queen	1,225,800 00	.....	91,943 93	22,252 74	2,752 00	1,634,791 63	128,468 95
Royal	2,509,539 37	.....	13,361 06	156,220 55	49,350 00	2,728,490 98	57,442 24
Royal Canadian	529,000 00	.....	10,794 89	79,852 83	8,700 00	628,346 92	13,146 29
Scottish Com'rial	591,044 13	.....	21,217 82	61,482 01	.....	676,743 96	9,982 70
Western	486,390 00	40,625 00	40,289 75	49,000 46	1,890 93	627,196 14	18,525 12
Total	\$978,242 96	\$1,223,763 84	\$14,530,640 75	\$1,225,447 65	\$103,602 02	\$9,600,988 47	.....
Grand total	\$7,338,150 82	\$20,243,674 50	\$37,266,103 12	\$25,382,100 46	\$3,030,757 68	\$107,510,193 78	.....

TABLE C.

Showing the total LIABILITIES, and the several items comprising the same, at the close of 1878, of the Fire and Marine Insurance Companies operating in Minnesota in 1878; also the total admitted Assets, the Surplus over Liabilities, and the Unadmitted Assets.

NAME OF COMPANY.	LIABILITIES.						Total admitted assets.	Surplus over liabilities including capital.	Assets not admitted.
	Paid Capital	Reinsurance Reserve.	Unpaid Losses.	Other Liabilities.	Total liabilities, including capital.				
Etna.....	\$3,000,000 00	\$1,617,189 85	\$200,374 00	51,125 00	\$4,895,688 85	\$6,914,147 79	\$2,045,458 94	.....	.....
Amazon.....	300,000 00	62,696 91	30,715 62	3,762 72	39,115 31	604,414 23	207,238 92	.....	4,938 03
American Central.....	300,000 00	188,444 86	68,252 42	7,115 18	563,812 46	802,114 03	238,301 57	.....	.....
American.....	200,000 00	343,410 75	58,928 14	8,038 60	610,377 49	787,707 23	177,329 74	.....	125,056 39
American Fire.....	400,000 00	431,606 55	12,590 13	4,505 63	848,702 31	1,331,891 80	483,189 49	.....	32,824 17
Atlantic.....	200,000 00	106,961 31	49,915 10	2,168 62	359,045 03	386,590 21	37,545 18	.....	.....
Atlantic F. & M.....	200,000 00	25,422 34	17,477 75	5,238 55	248,139 64	254,022 46	5,882 83	.....	.....
Boylston Mutual.....	557,200 00	158,354 05	44,000 00	8,143 82	767,707 87	902,624 55	134,916 68	.....	.....
Buffalo.....	200,000 00	39,820 85	11,560 90	.....	251,381 75	294,743 41	43,361 66	.....	1,274 39
Buffalo German.....	200,000 00	114,121 76	16,171 16	4,068 40	334,381 32	754,406 93	420,025 61	.....	.....
Commercial.....	200,000 00	119,219 74	13,842 58	7,054 29	340,116 60	510,689 85	170,573 25	.....	.....
Commonwealth.....	500,000 00	131,406 33	10,138 06	.....	641,544 39	654,791 51	13,247 12	.....	.....
Connecticut.....	1,000,000 00	217,846 76	42,375 00	.....	1,260,221 76	1,441,165 41	180,943 65	.....	.....
Continental.....	1,000,000 00	1,000,384 21	173,973 39	54,991 87	2,289,349 47	3,327,871 74	1,038,422 27	.....	.....
Detroit F. & M.....	250,000 00	56,278 53	4,458 39	1,210 75	311,947 67	512,892 89	200,945 22	.....	.....
Equitable F. & M.....	200,000 00	51,457 92	10,806 00	3,205 30	265,469 22	334,274 83	68,805 61	.....	.....
Fairfield.....	200,000 00	64,916 43	12,998 65	5,507 33	283,422 41	316,882 92	33,460 51	.....	.....
Farmers Hall.....	300,000 00	158,785 75	25,046 59	5,018 45	488,870 79	519,942 64	31,091 85	.....	1,609 00
Farragut.....	200,000 00	62,364 09	399 73	6,092 73	268,766 55	429,834 33	161,067 78	.....	4,039 00
Fire Association.....	500,000 00	2,181,998 50	90,109 26	34,622 38	2,806,730 14	3,229,056 33	422,326 19	.....	550,750 00
Firemen's Fund.....	200,000 00	286,883 35	25,246 80	5,073 20	617,203 35	761,221 10	144,017 75	.....	.....
Franklin, Pa.....	400,000 00	1,931,362 90	67,039 70	4,349 00	2,402,742 60	3,383,218 92	980,476 32	.....	.....
German American.....	1,000,000 00	560,840 81	76,836 99	19,034 35	1,606,732 19	2,471,780 73	815,046 54	.....	.....

German.....	200,000 00	131,559 49	14,353 19	5,226 39	351,239 07	451,526 10	100,287 03	38,649 83
Germania.....	500,000 00	362,881 20	57,137 88	4,386 00	924,405 08	1,678,838 80	754,423 72	.....
Glenn F. & M.....	300,000 00	278,456 87	15,293 21	8,747 86	602,497 94	1,130,338 45	527,840 51	1,500 00
Gleason's Falls.....	200,000 00	262,312 81	19,548 81	3,633 08	485,494 70	900,835 56	415,340 86	.....
Hanover.....	500,000 00	494,741 18	78,941 74	9,175 26	1,097,897 98	1,683,796 82	675,898 84	.....
Harford.....	1,250,000 00	1,060,424 76	163,906 99	22,840 00	2,497,131 75	3,358,087 84	861,556 09	.....
Hoffman.....	200,000 00	67,273 84	17,937 47	2,337 82	287,578 83	386,425 92	78,847 09	.....
Home.....	3,000,000 00	1,766,771 00	239,522 64	20,569 82	5,026,863 46	6,390,352 40	1,363,488 94	.....
Howard.....	500,000 00	102,878 41	21,431 82	.....	624,210 23	758,253 30	133,947 07	1,235 00
Insurance Company of North America.....	2,600,000 00	1,636,704 88	289,800 00	27,000 00	3,953,594 88	6,592,008 80	2,598,413 92	.....
Lamar.....	200,000 00	70,471 88	12,300 00	3,348 51	286,120 52	402,583 42	116,473 40	.....
Manhattan.....	250,000 00	265,358 79	36,200 00	10,250 00	584,788 79	825,680 44	240,891 65	.....
Manufacturers F. & M.....	500,000 00	340,717 83	49,200 00	4,587 90	894,555 73	1,143,188 69	248,632 96	.....
Mercantile Mutual.....	500,000 00	116,335 12	121,701 00	83,629 61	822,268 73	853,886 92	11,318 19	.....
Mercantile.....	200,000 00	49,931 90	9,500 00	8,944 74	208,376 64	376,374 85	108,568 21	7,172 71
Merchants, N. J.....	400,000 00	203,245 44	24,305 27	27,020 04	654,570 75	1,087,356 16	432,768 41	.....
Merchants, R. I.....	200,000 00	74,465 50	14,087 00	4,561 18	293,113 68	365,773 32	72,659 64	.....
Meriden.....	300,000 00	88,753 26	27,359 32	3,500 80	419,612 58	4,628 20	16,667 62	.....
Milwaukee Mechanics' Mutual	Mutual.	206,750 24	1,087 00	.....	219,837 24	577,398 74	337,561 50	142,327 83
National.....	600,000 00	161,417 38	23,945 78	.....	783,383 16	1,104,065 64	318,612 48	.....
Newark City.....	200,000 00	55,778 74	7,465 84	2,145 18	265,389 76	312,616 51	47,226 78	.....
Newark Fire.....	250,000 00	104,278 74	5,067 54	14,235 20	373,581 48	740,113 11	366,531 63	.....
New Hampshire.....	250,000 00	105,727 70	24,209 81	.....	379,937 51	507,616 90	127,679 39	.....
New York Bowery.....	200,000 00	60,618 72	4,500 00	10,300 00	375,418 72	785,986 46	410,567 74	.....
New York City.....	300,000 00	56,379 57	8,840 45	7,750 00	374,570 02	429,650 85	55,000 83	.....
Niagara.....	500,000 00	323,183 00	45,719 00	5,736 00	1,329,650 00	874,638 00	455,012 00	.....
Northern.....	25,000 00	84,329 42	19,120 26	3,089 90	357,339 67	410,466 67	53,127 00	.....
Northwestern National.....	600,000 00	145,223 42	27,280 35	6,339 89	778,843 66	921,777 45	142,933 79	.....
Orient.....	500,000 00	117,172 39	17,776 37	.....	638,888 56	787,541 56	198,653 00	.....
*Orient Mutual.....	593,528 00	113,571 93	108,268 00	21,831 99	837,239 22	1,042,628 63	205,359 41	3,500 00
*Pacific Mutual.....	583,630 00	91,706 95	141,800 00	32,948 38	850,085 35	974,846 25	175,239 08	3,508 27
Pennsylvania Fire.....	400,000 00	718,925 16	45,000 00	22,000 00	1,185,025 16	1,855,238 04	670,212 88	.....
People's.....	300,000 00	114,812 78	27,520 15	2,500 00	444,832 93	502,513 99	57,681 06	526 88
Phoenix.....	1,000,000 00	796,730 31	197,910 57	9,630 92	2,094,381 80	2,702,404 16	698,072 36	33,250 00
Phoenix.....	1,000,000 00	754,103 66	113,412 63	.....	1,967,862 34	2,624,082 74	766,530 40	.....
Providence Washington.....	400,000 00	126,084 42	31,170 93	2,070 88	385,288 73	615,207 69	23,921 96	.....
Revere.....	200,000 00	56,256 15	9,039 06	2,612 33	267,908 14	274,573 15	6,665 01	.....
Rochester German.....	200,000 00	91,672 79	2,400 00	.....	294,072 79	409,620 15	115,547 36	.....

*Outstanding Scrip is represented as capital.

TABLE C—Continued.

NAME OF COMPANY.	LIABILITIES.					Total admi- ted assets.	Surplus over liabilities, in- cluding cap- ital.	Assets not admitted.
	Paid Capital	Reinsurance Reserve.	Unpaid Losses.	Other Liabilities.	Total liabi- lities, includ- ing capital.			
Roger Williams.....	\$200,000 00	\$82,686 46	\$22,819 70	\$4,077 82	\$819,563 98	\$321,634 25	\$2,070 27	.....
Security.....	200,000 00	103,104 40	27,756 44	4,189 52	335,050 36	369,267 57	34,217 21	.....
Shawmut.....	500,000 00	95,631 20	25,467 10	4,008 28	625,168 58	650,267 35	25,100 77	.....
Springfield F. & M.....	750,000 00	547,676 42	68,300 55	16,650 00	1,382,628 97	1,700,620 63	377,993 66	.....
Standard.....	200,000 00	72,244 50	15,735 23	5,874 00	293,854 33	303,502 04	9,647 71	.....
Stat.....	300,000 00	100,308 05	20,856 00	7,995 00	429,249 05	600,567 44	171,318 39	.....
St. Joseph F. & M.....	240,000 00	51,368 15	18,959 61	4,507 39	317,835 15	406,135 44	88,300 29	\$13,764 25
St. Nicholas.....	200,000 00	54,050 48	2,400 00	1,333 55	257,784 03	296,803 90	39,019 87	.....
St. Paul F. & M.....	400,000 00	243,032 29	29,096 56	6,011 33	678,160 18	841,900 43	163,740 25	.....
Trade.....	200,000 00	49,462 91	14,000 13	2,734 00	266,197 04	276,813 59	10,616 55	.....
Traders.....	500,000 00	131,762 11	14,054 71	13,680 00	659,496 82	819,738 30	160,239 38	3,000 00
Union.....	200,000 00	89,769 03	29,288 15	3,400 74	322,307 97	366,583 36	44,275 39	.....
Watertown.....	200,000 00	443,688 25	38,050 00	.....	682,338 25	704,816 04	82,477 79	.....
Westchester.....	300,000 00	302,959 50	47,753 00	6,434 24	637,146 74	832,765 61	175,618 87	.....
Williamsburgh City.....	200,000 00	196,652 60	26,574 32	7,154 57	480,391 49	930,708 41	450,316 92	.....
Total.....	\$35,874,358 00	\$24,156,894 87	\$3,600,861 76	\$721,946 04	\$64,354,360 67	\$87,809,205 31	\$23,454,844 64	.....
FOREIGN COMPANIES—U. S. BRANCHES.								
British America.....	.....	247,640 21	47,486 57	6,265 40	301,392 18	672,079 96	370,687 78	3,160 00
Commercial Union.....	.....	512,475 81	48,334 95	20,582 37	581,393 13	1,494,046 05	912,652 92	.....
Hamburg Bremen.....	.....	196,023 94	34,570 00	.....	230,593 94	778,254 57	547,660 63	.....
Imperial.....	.....	213,568 00	22,898 00	1,123 00	237,589 00	899,037 00	661,448 00	.....
La Caisse Generale.....	.....	155,201 09	22,435 95	1,800 00	179,437 04	449,490 61	270,053 57	.....
Lancashire.....	.....	374,331 99	58,658 88	3,000 00	435,990 87	826,305 00	390,314 13	.....
Liverpool and London and Globe.....	.....	2,042,089 72	308,784 13	79,632 01	2,430,505 86	4,270,765 46	1,839,259 60	.....
London Assurance.....	.....	301,455 91	18,600 00	.....	320,055 91	1,123,082 51	803,026 60	.....
Northern.....	.....	209,730 00	15,232 00	1,123 00	226,085 00	671,910 00	443,825 00	.....
North British and Mercantile.....	.....	720,700 04	101,112 28	.....	821,712 32	1,782,863 23	961,150 91	.....
North German.....	.....	76,027 13	17,538 83	.....	93,566 12	337,604 45	264,038 33	.....
Queen.....	.....	535,073 39	84,023 96	.....	619,103 35	1,684,791 63	1,065,682 28	.....
Royal.....	.....	1,250,400 76	140,120 87	38,722 91	1,469,244 54	2,728,480 86	1,259,236 44	.....
Royal Canadian.....	.....	232,586 04	50,291 71	.....	282,877 75	628,349 92	346,469 17	.....
Scottish Commercial.....	.....	323,187 95	49,061 23	13,713 69	386,962 87	676,743 96	290,781 09	.....
Western.....	.....	221,523 42	29,385 19	9,413 84	260,322 45	627,196 14	366,873 69	.....
Total.....	.....	\$7,652,021 46	\$1,040,040 65	\$175,376 22	\$8,876,438 33	\$19,600,988 47	\$10,724,550 14	.....
Grand Total.....	\$35,874,358 00	\$31,808,916 33	\$4,650,202 41	\$897,322 26	\$73,230,799 00	\$107,410,193 75	\$34,179,394 78	.....

TABLE D.

Showing the total Income and the general sources from whence the same was derived, for 1878, of the Fire and Marine Insurance Companies operating in Minnesota in 1878; also the total Expenditures and the difference between the total Income and total Expenditures.

COMPANIES.	From Premiums received.	From Interest and Dividends.	From Rents and all other sources.	Total Income.	Total Expenditures.	Excess of Income over Expenditures.	Excess of Expenditures over Income.
Aetna.....	\$ 2,486,151 48	\$ 348,762 37	\$ 8,464 39	\$ 2,843,378 24	\$ 2,611,880 65	\$ 231,497 59	.....
Amazon.....	169,994 70	33,684 80	4,804 37	148,383 87	160,534 25	.....	\$ 12,150 38
American Central.....	338,564 42	39,995 19	.....	378,559 61	364,970 53	13,589 08	.....
American, Ills.....	692,203 99	57,146 52	105 77	659,456 28	582,273 03	77,183 25	.....
American Fire.....	300,842 64	63,179 62	4,754 55	368,776 81	258,138 02	110,638 79	.....
Atlantic.....	276,978 13	19,609 83	.....	296,587 96	334,933 48	.....	35,345 52
Atlantic F. & M.....	41,570 40	4,435 54	9,469 07	55,505 01	54,937 24	567 77	.....
Boylston Mutual.....	207,607 32	42,174 54	730 90	250,512 76	292,131 79	.....	41,609 03
Buffalo.....	136,250 80	12,706 86	2,030 41	150,006 19	156,545 97	.....	6,537 78
Buffalo German.....	208,974 46	21,016 34	13,486 34	243,476 14	191,619 76	51,857 38	.....
Commercial.....	285,116 52	24,393 20	.....	309,509 72	284,532 42	24,977 30	.....
Commonwealth.....	220,595 87	28,857 72	.....	249,453 59	207,535 69	41,917 90	.....
Connecticut.....	342,328 25	76,012 20	.....	418,340 45	366,644 86	57,695 59	.....
Continental.....	1,493,012 42	135,876 25	35,529 34	1,664,418 01	1,446,382 64	218,035 37	.....
Detroit F. & M.....	107,499 17	36,249 18	2,349 10	146,097 45	131,125 97	14,971 48	.....
Equitable F. & M.....	87,655 65	11,945 92	7,847 83	107,449 40	112,970 11	.....	5,520 71
Fairfield.....	133,269 26	12,558 26	2,788 13	148,615 65	140,334 19	8,221 46	.....
Faneuil Hall.....	250,585 50	20,377 03	1,817 53	272,780 06	240,095 34	32,684 72	.....
Farragut.....	115,029 65	19,481 29	2,275 01	136,785 95	131,581 70	5,204 25	.....
Fire Association.....	1,083,405 29	183,449 63	7,415 00	1,274,269 92	1,164,089 90	110,180 02	.....
Fireman's Fund.....	509,404 45	30,648 07	17,296 26	557,348 78	510,768 82	46,579 96	.....
Franklin, Pa.....	596,825 57	163,024 31	9,591 95	769,441 83	763,034 95	6,406 88	.....
German American.....	904,307 19	117,465 75	.....	1,021,772 94	876,694 80	145,078 14	.....
German.....	169,551 33	22,424 49	.....	191,975 82	159,648 67	32,327 15	.....
Germania.....	571,624 92	91,634 22	.....	663,259 14	595,625 39	67,633 75	.....
Girard F. & M.....	264,616 37	44,989 05	11,471 28	321,076 70	293,923 05	27,153 65	.....
Glen's Falls.....	273,469 24	45,726 53	339 00	319,524 77	271,904 80	47,619 97	.....

TABLE D—Continued.

COMPANIES.	From Premiums received.	From Interest and Dividends.	From Rents and all other sources.	Total Income.	Total Ex- penditures.	Excess of Income over Expenditures.	Excess of Expenditures over Income.
Hanover.....	\$ 600,802 02	\$ 56,012 77	\$	686,814 79	\$ 603,440 85	\$ 83,373 94	
Harford.....	1,508,010 92	138,467 14	16,394 51	1,662,872 57	1,353,606 29	109,006 28	
Hobbs.....	122,042 23	19,835 86		141,878 09	151,018 50	\$	9,140 41
Home.....	2,366,300 34	328,225 51		2,694,525 85	2,422,018 38	272,507 47	
Howard.....	191,665 88	31,011 21	3,434 98	229,162 07	206,008 88	22,553 19	
Insurance Company of North America.....	2,838,512 77	310,034 42	1,055 90	3,149,602 19	3,074,835 09	74,767 10	
Lamar.....	168,516 48	21,843 26		190,359 74	185,549 97	4,809 77	
Manhattan.....	619,688 42	31,770 95	667 71	682,127 08	646,757 40	36,369 68	
Manufacturers' F. & M.....	340,092 77	44,931 73	7,545 19	392,569 69	360,691 81	31,897 88	
Mercantile Mutual.....	638,819 10	26,754 85		677,573 95	778,002 90		100,429 04
Mercantile.....	117,829 12	21,735 74		139,064 86	127,170 96	11,893 90	
Merchants, N. J.....	337,238 37	57,106 25	1,141 97	395,486 59	351,652 04	43,834 55	
Merchants', R. I.....	122,017 16	19,984 71		142,001 87	130,361 90	11,439 97	
Meriden.....	195,498 05	18,563 03	907 43	214,968 51	207,816 47	7,152 04	
Milwaukee Mechanics' Mutual.....	208,543 82	20,281 03	1,174 73	229,908 98	176,337 08	53,761 90	
National.....	237,663 29	73,565 55	1,576 43	312,825 27	237,339 20	75,466 07	
Newark City.....	110,235 87	19,620 87	4,783 81	136,042 35	120,465 51	3,557 04	
Newark Fire.....	191,487 08	35,003 85	487 50	227,578 43	161,099 70	66,478 73	
New Hampshire.....	171,492 06	28,914 86	300 00	200,706 92	173,293 28	27,397 64	
New York Bowery.....	137,413 10	42,254 83	776 14	180,444 07	160,541 38	19,802 69	
New York City.....	103,415 47	19,376 07		122,831 54	106,208 36	16,263 18	
Niagara.....	454,747 00	69,013 00	8,650 00	532,410 00	525,561 00	6,879 00	
Northern.....	158,146 39	21,789 82	835 77	180,771 98	132,349 47	48,422 51	
Northwestern National.....	291,043 41	45,450 57		339,493 78	270,175 42	69,318 36	
Orient.....	226,728 80	48,382 30		275,211 10	194,257 37	26,953 63	
Orient Mutual.....	512,223 70	11,472 44	7,400 25	531,096 39	772,194 44		241,098 05
Pacific Mutual.....	604,361 46	28,339 59		632,721 05	708,781 36		76,060 31
Pennsylvania Fire.....	506,830 99	94,213 22	557 66	601,601 87	466,684 36	134,917 51	
Peoples'.....	210,013 22	19,965 54	8,190 10	238,169 87	252,108 54		13,938 67
Phoenix.....	1,855,587 04	111,586 93	1,137 09	1,968,311 06	1,940,634 47	27,676 59	
Phoenix.....	1,230,873 46	116,768 49	4,027 90	1,351,669 85	1,198,286 46	153,383 39	

TABLE E.

Showing the various expenditures during the year 1878 of the Fire and Marine Insurance Companies operating in Minnesota in 1878.

COMPANIES.	Losses.	Dividends.	Commissions and Brokerage.	Salaries of Officers and Employees.	Taxes.	All Other Expenditures.	Total Expenditures.
<i>Atua.</i>	\$1,200,452 53	\$600,000 00	\$380,810 99	\$157,830 11	\$49,430 62	\$133,356 40	\$2,611,880 65
<i>Amazon</i>	79,110 78	17,676 40	21,683 19	18,765 66	5,180 31	18,107 91	160,534 25
<i>American Central</i>	150,080 91	40,904 25	59,956 20	31,270 39	8,412 82	34,365 96	364,970 53
<i>American, Ill.</i>	242,545 22	100,000 00	94,831 69	75,514 45	15,405 01	53,656 66	582,273 93
<i>American Fire</i>	117,449 33	39,740 00	72 37	83,303 80	11,361 95	4,208 57	258,138 02
<i>Atlantic</i>	216,004 45	20,000 00	47,781 73	23,919 24	8,623 42	23,514 64	334,933 48
<i>Atlantic F. & M.</i>	23,193 25	45 00	7,275 90	11,857 32	2,484 10	4,111 67	54,987 24
<i>Doylston Mutual</i>	191,956 30	71,034 60	10,024 55	22,700 00	6,640 55	9,625 78	292,181 79
<i>Buffalo</i>	105,850 69	10,000 00	26,612 32	5,000 00	3,688 66	5,394 50	156,548 97
<i>Buffalo German</i>	89,918 67	30,000 00	37,065 58	13,056 53	3,627 71	18,211 27	191,619 76
<i>Commercial</i>	170,949 92	35,846 00	59,503 06	18,500 00	1,400 74	18,332 70	284,532 42
<i>Commonwealth</i>	96,164 40	25,000 00	39,218 79	19,417 00	8,618 34	19,117 16	207,535 69
<i>Connecticut</i>	151,808 20	100,000 00	57,929 44	22,079 19	8,042 73	20,785 30	360,644 86
<i>Continental</i>	675,506 88	134,938 11	254,591 17	191,534 53	33,859 72	153,892 23	1,446,382 64
<i>Detroit F. & M.</i>	48,175 09	25,000 00	12,480 58	12,739 33	3,943 94	28,787 03	131,125 97
<i>Equitable F. & M.</i>	52,930 78	21,844 90	15,546 87	14,835 45	4,925 93	2,886 18	112,970 11
<i>Fairfield</i>	72,130 56	18,000 00	23,198 18	11,290 76	2,796 26	12,378 43	140,394 19
<i>Faureil Hall</i>	136,441 86	.....	54,337 94	8,897 63	5,770 49	34,627 42	240,095 34
<i>Farragut</i>	38,184 50	30,000 00	16,850 17	21,800 00	1,687 87	23,059 16	131,581 70
<i>Fire Association</i>	605,873 95	200,000 00	251,370 71	49,538 33	41,438 64	15,863 27	1,164,089 90
<i>Firemen's Fund</i>	265,198 11	65,822 00	61,397 25	36,908 25	10,535 16	70,907 95	510,768 82
<i>Franklin, Pa.</i>	330,163 72	127,114 00	79,634 37	87,102 43	28,808 98	110,181 45	763,034 95
<i>German American</i>	430,555 63	100,000 00	131,937 35	83,797 66	26,006 64	95,397 52	876,694 80
<i>German</i>	68,283 26	21,010 00	43,454 64	17,913 04	4,130 48	4,857 25	159,648 67
<i>Germania</i>	192,689 07	110,000 00	100,136 71	76,860 67	16,999 96	98,928 08	595,625 39
<i>Girard F. & M.</i>	112,116 74	60,000 00	43,791 90	52,412 00	22,475 00	23,127 41	293,923 05
<i>Glen's Falls</i>	159,487 83	20,000 00	48,555 55	18,426 62	6,368 44	19,166 36	271,904 80

Hanover.....	271,967 27	50,000 00	96,197 75	47,910 40	15,605 36	121,760 07	603,440 85
Hartford.....	822,077 71	254,833 00	219,169 29	114,322 36	35,109 65	108,294 28	1,553,866 28
Hohman.....	75,036 49	20,000 00	18,673 29	20,300 00	1,153 57	13,855 15	151,018 50
Hone.....	1,207,078 49	301,995 00	44,147 95	245,348 11	36,943 81	185,905 02	2,422,018 38
Howard.....	68,701 29	50,000 00	25,939 88	33,220 22	3,648 35	24,199 23	206,608 88
Insurance Company of North America.....	1,965,410 00	400,000 00	338,947 35	128,500 00	88,421 04	153,566 70	3,074,835 09
Lamar.....	110,995 47	20,000 00	17,189 62	18,600 83	2,098 07	16,605 98	185,649 97
Manhattan.....	405,040 54	25,000 00	92,756 68	47,898 04	17,249 68	57,772 46	645,757 40
Manufacturers' F. & M.....	239,899 24	49,850 00	30,744 95	29,850 00	10,347 62	.....	360,691 81
Mercantile Mutual.....	643,895 03	17,500 00	52,110 74	32,745 47	13,554 13	18,257 62	778,002 99
Mercantile.....	60,790 01	20,000 00	18,493 01	13,456 13	3,521 88	10,910 43	127,170 96
Merchants, N. J.....	134,723 60	61,230 44	60,566 00	30,569 00	9,056 22	55,516 18	351,652 04
Merchants, R. I.....	67,672 28	14,000 00	28,827 17	14,564 51	5,497 84	.....	130,561 90
Meriden.....	120,896 90	18,000 00	32,477 34	10,100 00	5,001 80	21,340 71	207,816 47
Milwaukee Mechanics Mutual.....	92,176 71	.....	43,491 94	20,008 33	7,032 07	13,522 03	170,237 08
National.....	88,662 91	66,000 00	35,366 47	25,730 00	6,936 19	14,663 63	257,359 20
Newark City.....	81,165 30	14,000 00	23,026 17	12,346 00	3,457 89	6,390 15	120,485 51
Newark Fire.....	49,147 80	39,910 40	38,629 95	10,367 79	2,183 84	20,859 92	161,099 70
New Hampshire.....	101,296 38	20,000 00	31,040 14	6,711 45	6,059 65	8,201 66	173,309 28
New York Bowery.....	36,878 45	60,000 00	15,294 32	29,100 00	1,087 79	18,280 82	166,641 28
New York City.....	53,146 67	.....	18,205 05	15,658 85	548 40	18,651 39	190,208 36
Niagara.....	233,013 00	54,868 00	75,798 00	58,376 00	15,217 00	68,288 00	595,501 00
Northern.....	64,636 76	.....	26,119 16	15,317 97	4,513 76	11,861 82	132,349 47
Northwestern National.....	129,912 80	36,000 00	40,129 76	26,034 97	9,378 02	28,919 87	270,175 42
Orient.....	113,132 25	55,000 00	34,466 23	13,916 70	6,098 03	19,844 20	248,257 47
Orient Mutual.....	664,289 65	848 50	35,779 55	43,736 37	11,323 28	16,216 69	772,194 44
Pacific Mutual.....	545,586 64	451 08	40,916 13	42,189 71	8,841 87	70,739 93	708,781 36
Pennsylvania Fire.....	245,150 72	40,000 00	77,568 61	73,347 71	16,015 89	14,602 03	406,984 36
People's.....	144,565 17	27,000 00	46,345 72	13,698 87	8,522 74	11,978 64	252,108 54
Phoenix.....	1,156,634 80	150,000 00	276,511 36	149,956 67	28,161 19	179,370 45	1,940,034 47
Phoenix.....	577,079 31	200,000 00	205,690 07	64,271 16	37,992 70	113,253 22	1,198,286 46
Providence Washington.....	203,101 85	266 30	36,392 64	12,793 00	7,485 31	13,521 89	273,561 00
Revere.....	46,132 18	.....	17,861 53	10,620 00	4,149 19	9,764 86	88,517 76
Rochester German.....	73,805 60	20,000 00	26,598 45	8,660 00	4,505 12	9,836 38	143,405 55
Roger William3.....	263,873 99	109 00	39,917 63	29,696 48	6,180 59	.....	339,477 69
Security.....	187,224 30	14,000 00	36,268 97	22,208 83	1,938 72	.....	261,640 82
Shawmut.....	136,672 76	.....	33,330 94	20,633 04	9,088 33	14,334 11	214,679 18
Springfield F. & M.....	396,906 41	75,000 00	117,056 23	38,928 69	24,293 46	70,032 23	722,247 02
Standard.....	91,600 37	10,000 00	25,378 25	5,368 00	2,885 40	9,356 07	142,598 09
Star.....	77,367 22	25,000 00	4,713 71	23,914 53	1,561 56	33,547 92	106,004 94

TABLE E.—Continued.

COMPANIES.	Losses.	Dividends.	Commissions and Brokerage.	Salaries of Officers and Employees.	Taxes.	All Other Expenditures.	Total Expenditures.
St. Joseph F. & M.....	\$92,371 63	\$19,200 00	\$32,204 26	\$11,063 02	\$7,125 64	\$4,250 07	\$106,214 65
St. Nicholas.....	55,374 28	18,000 00	24,028 72	14,676 64	3,335 02	10,503 09	123,937 75
St. Paul F. & M.....	230,551 15	40,000 00	75,901 94	25,754 52	18,128 57	34,279 29	383,618 47
Trade.....	65,122 61	12,805 00	18,881 56	5,127 44	3,423 07	8,293 22	113,665 90
Traders.....	176,842 98	45,000 00	47,343 74	24,710 26	5,001 96	22,973 96	421,872 76
Union.....	86,856 69	15,642 26	23,979 96	17,607 32	3,006 70	.....	147,752 93
Watertown.....	235,816 11	20,000 00	34,726 27	34,726 27	11,918 79	38,497 32	437,913 25
Westchester.....	361,499 71	30,024 00	92,506 40	29,100 00	14,016 68	72,272 55	577,476 37
Williamsburgh City.....	125,178 68	50,150 00	63,161 44	42,924 99	2,149 76	43,194 37	3 67 9 24
Total.....	\$19,613,375 77	\$4,484,809 64	\$5,025,205 87	\$2,911,062 04	\$890,388 35	\$1,552,746 55	\$34,483,588 22
FOREIGN COMPANIES—U. S. BRANCHES.							
British America.....	267,522 10	.....	96,379 46	4,500 00	12,992 47	\$825,263 25	\$446,657 28
Commercial Union.....	418,756 08	.....	123,683 50	53,148 41	15,706 13	55,360 17	676,774 29
Hamburg Bremen.....	170,069 63	.....	78,377 14	16,373 50	7,461 89	22,628 90	295,113 06
Imperial.....	176,576 00	.....	62,002 00	29,504 00	13,464 00	21,112 00	269,088 00
La Caisse Generale.....	265,500 66	.....	105,734 80	14,229 18	2,400 00	12,179 04	340,034 77
Lancashire.....	335,175 41	.....	99,299 07	86,754 96	25,475 44	.....	506,702 88
Liverpool and London and Globe.....	1,266,619 09	.....	361,479 99	147,254 67	50,024 81	145,841 27	1,971,219 83
London Assurance.....	162,833 62	.....	73,911 07	23,221 94	16,884 19	89,417 73	306,318 86
Northern.....	162,064 00	.....	62,921 00	25,504 00	13,464 00	19,991 00	284,544 06
North British and Mercantile.....	553,151 48	.....	155,901 72	82,787 03	29,641 44	79,644 15	922,825 81
North German.....	48,607 52	.....	39,332 57	15,197 45	3,589 03	15,887 26	113,634 43
Queen.....	481,316 83	.....	161,285 87	42,919 90	20,856 15	59,834 63	757,222 38
Royal.....	726,089 99	.....	299,528 44	108,338 52	38,093 02	73,966 15	1,246,016 13
Royal Canadian.....	276,752 45	.....	69,973 48	81,873 24	11,618 86	.....	440,218 03
Scottish Commercial.....	317,536 32	.....	91,984 24	48,760 64	20,414 08	40,833 74	519,068 92
Western.....	213,243 75	.....	89,734 13	.....	14,135 01	42,850 55	390,033 47
Total.....	\$2,775,164 93	.....	\$1,972,578 56	\$775,800 34	\$286,718 46	\$735,839 85	\$9,546,102 14
Grand Total.....	\$25,388,540 70	\$4,484,809 64	\$6,997,784 43	\$3,686,862 38	\$1,183,106 81	\$2,288,586 40	\$45,029,690 36

TABLE F.

Showing the risks written and premiums received in 1878, by the Fire and Marine Insurance Companies operating in Minnesota.

COMPANIES.	FIRE PREMIUMS.		MARINE AND INLAND.		Total risks in force Dec. 31, '78.
	Risks written in 1878.	Premiums thereon.	Risks written in 1878.	Premiums thereon.	
Alma.....	\$ 238,345,991	\$ 2,519,285 96	\$ 20,195,331	\$ 144,552 25	\$ 279,580,880
Amazon.....	9,105,330	121,664 25	.....	.....	9,196,832
American Central.....	27,549,502	334,127 55	.....	.....	27,482,012
American Ins.....	124,678,340	694,801 93	.....	.....	125,967,638
American Fire.....	34,435,119	316,727 59	.....	.....	27,748,578
Atlantic.....	32,025,825	343,516 15	.....	.....	21,717,076
Atlantic F. & M.....	4,156,074	47,260 89	.....	.....	8,780,877
Boylston Mutual.....	13,069,838	95,111 69	777,863	7,068 85	22,331,290
Buffalo.....	8,805,805	80,787 10	11,051,667	81,345 61	7,324 32
Buffalo German.....	25,432,624	228,337 86	22,668,166	125,266 57	22,294,654
Commercial.....	36,249,960	292,542 27	710,203	9,852 61	35,172,217
Commonwealth.....	23,780,380	238,172 53	.....	.....	22,236,075
Connecticut.....	33,631,867	342,328 25	.....	.....	37,042,514
Continental.....	220,473,257	1,525,467 32	.....	.....	255,390,875
Detroit F. & M.....	9,227,458	92,847 74	3,265,219	27,264 37	10,035,217
Equitable F. & M.....	9,402,154	93,583 19	843,658	6,801 99	9,025,881
Fairfield.....	15,029,970	153,004 83	.....	.....	14,290,538
Faneuil Hall.....	21,623,086	295,026 98	.....	.....	22,440,811
Farragut.....	26,866,701	119,350 46	.....	.....	24,955,185
Fire Association.....	109,980,978	1,207,886 80	.....	.....	109,070,653
Fireman's Fund.....	39,072,541	517,394 29	5,564,984	140,219 87	35,449,467
Franklin, Pa.....	61,432,029	719,338 86	.....	.....	142,867,352
German American.....	129,925,611	1,076,251 78	.....	.....	118,670,207
German.....	11,140,880	169,551 33	.....	.....	18,732,322
Germania.....	73,251,622	635,066 69	.....	.....	73,323,025
Girard.....	37,984,044	284,059 46	.....	.....	40,923,344
Glens Falls.....	32,029,707	300,935 29	.....	.....	57,411 374
Hanover.....	78,648,366	659,857 14	.....	.....	84,751,280
Hardford.....	141,241,610	1,508,010 92	.....	.....	184,039,933

TABLE F—Continued.

COMPANIES.	FIRE PREMIUMS.		MARINE AND INLAND.		Total risks in force Dec. 31, '78.
	Risks written in 1878.	Premiums thereon.	Risks written in 1878.	Premiums thereon.	
Hoffman.....	\$ 14,915.776	\$ 141,735.30	\$ 2,500	\$ 125 00	\$ 13,499,000
Home.....	344,383.763	2,629,857.14	.....	.....	344,131.435
Howard.....	27,462.824	195,045.58	9,862,829	29,566.52	23,844,854
Insurance Company of North America.....	144,274.243	1,379,675.71	199,770.683	1,941,273.18	178,650,879
Lamar.....	14,292.077	155,746.72	9,673,169	36,801.12	11,772,414
Manhattan.....	55,962.305	576,105.64	20,091.956	73,582.78	46,510,721
Manufacturers' F. & M.....	34,848.433	316,751.69	9,368,322	100,899.92	41,803,170
Mercantile Mutual.....	.....	.....	114,442,233	841,624.38	4,086,451
Mercantile.....	10,296.131	102,829.72	3,961,988	37,366.41	8,448,469
Merchants, N. J.....	49,468,569	378,259.53	.....	.....	45,849,011
Merchants, R. I.....	12,483.972	137,945.66	245,000	470 00	12,470,210
Meriden.....	18,738.575	239,582.77	.....	.....	14,152,995
Milwaukee Mechanics Mutual.....	16,292,107	218,101.26	.....	.....	28,281,124
National.....	22,241,874	237,663.29	.....	.....	28,452,179
Newark City.....	11,672,099	119,034.32	.....	.....	10,131,555
Newark Fire.....	25,674,732	226,156.79	.....	.....	20,537,426
New Hampshire.....	17,141,815	171,492.05	.....	.....	18,592,797
New York Bowery.....	33,546,429	140,672.81	.....	.....	28,715,346
New York City.....	16,273,322	121,634.99	.....	.....	14,686,258
Niagara.....	60,605,387	526,224.00	.....	.....	67,140,843
Northern.....	15,061,912	194,065.83	.....	.....	.....
Northwestern National.....	28,493,917	256,779.07	9,143,518	57,798.42	23,438,895
Orient.....	22,144,884	251,469.58	.....	.....	23,129,293
Orient Mutual.....	.....	.....	100,041,381	638,801.48	18,426,938
Pacific Mutual.....	.....	.....	90,892,036	790,132.84	5,491,815
Pennsylvania Fire.....	49,357,497	537,903.75	.....	.....	47,997,863
People's.....	20,425,679	246,387.82	.....	.....	19,738,699
Phoenix.....	123,737,644	1,157,562.77	126,400,200	1,098,362.15	136,750,000
Phoenix.....	112,573,695	1,311,003.97	.....	.....	121,276,668
Providence Washington.....	15,579,622	138,157.05	.....	174,930.75	14,545,636
Revere.....	9,708,693	99,139.79	32,684,551	.....	9,055,609

Rochester German.....	19,109,538	183,528 26	58,500	635 75	19,385,655
Roger Williams.....	14,599,960	196,671 45	15,185,526	64,548 32	13,016,237
Security.....	14,667,135	180,028 13	15,046,964	80,720 95	15,543,839
Shawmut.....	20,859,983	225,765 53	.....	.....	17,022,887
Springfield F. & M.....	73,316,160	887,056 16	.....	.....	89,726,163
Standard.....	9,574,281	142,549 94	.....	.....	9,173,598
Star.....	37,014,683	254,279 27	.....	.....	27,073,994
St. Joseph F. & M.....	12,618,292	202,116 84	.....	.....	6,907,198
St. Nicholas.....	16,650,802	125,056 38	.....	.....	15,948,686
St. Paul F. & M.....	30,244,576	409,875 80	15,285,653	82,309 56	37,113,043
Trade.....	4,967,530	82,144 55	292,690	13,795 31	4,911,070
Traders.....	27,980,715	351,748 61	4,875,726	17,712 62	17,552,430
Union.....	9,890,147	89,260 96	.....	.....	7,664,050
Watertown.....	57,485,565	474,007 06	.....	.....	106,238,952
Westchester.....	63,460,284	572,736 45	.....	.....	64,583,531
Williamsburgh City.....	52,787,854	358,798 37	719,700	4,427 99	51,424,539
Total.....	\$3,424,713,129	\$31,875,276 67	\$84,592,826	\$6,651,227 57	\$3,811,046,417
FOREIGN COMPANIES—U. S. BRANCHES.					
British America.....	48,762,132	458,965 62	2,904,953	16,256 91	41,040,630
Commercial Union.....	123,467,091	1,090,940 79	.....	.....	98,463,932
Hamburg Bremen.....	44,768,392	424,619 45	.....	.....	35,419,897
Imperial.....	42,613,383	439,701 00	.....	.....	35,287,671
LaCaisse Generale.....	35,618,901	456,292 23	.....	.....	23,543,548
Lancashire.....	72,347,810	760,775 74	.....	.....	61,607,057
Liverpool & London Globe.....	377,192,477	2,911,177 37	.....	.....	301,654,382
London Assurance.....	64,520,446	479,641 95	.....	.....	60,394,682
Northern.....	42,442,883	436,724 00	.....	.....	33,965,764
North British & Mercantile.....	123,007,669	1,153,411 19	.....	.....	129,386,401
North German.....	18,636,332	194,325 47	.....	.....	13,121,365
Queen.....	116,710,393	1,041,534 09	.....	.....	92,630,994
Royal.....	201,835,321	1,783,526 45	.....	.....	203,312,186
Royal Canadian.....	38,132,939	452,945 83	2,456,476	18,249 40	35,487,800
Scottish Commercial.....	58,403,201	564,135 56	.....	.....	58,588,620
Western.....	54,245,126	505,237 76	574,268	16,013 11	42,580,606
Total.....	\$1,462,704,496	\$13,153,952 50	\$5,935,692	\$50,519 42	\$1,266,435,535
Grand total.....	\$4,467,417,625	\$45,029,229 17	\$850,528,518	\$6,701,746 99	\$5,077,481,952

TABLE G.

Showing date of commencement of business of fire and Marine Companies operating in Minnesota in 1878, and total premiums received, and total losses paid, from organization to December 31st, 1878, also excess of premiums received over losses paid.

COMPANIES.	Date of Commencement of Business.	Total premiums rec'd from commencement of business to date.	Total losses paid from commencement of business to date.	Excess of premiums received over losses paid.
Alta.....	August, 1819.....	\$ 80,188,047	\$ 49,805,961	\$ 30,382,086
Amazon.....	October, 1871.....	4,799,380	2,656,395	2,142,985
American Central.....	February, 1853.....	4,495,722	2,793,766	1,701,956
American, Ill.....	April, 1859.....	4,832,256	1,732,185	3,100,071
American Fire.....	March, 1810.....	6,231,687	4,049,456	2,182,231
Atlantic.....	January, 1872.....	2,340,244	1,269,403	1,070,841
Atlantic F. & M.....	January, 1852.....	2,960,829	2,279,071	681,758
Boylston Mutual.....	January, 1873.....	2,188,813	1,187,388	1,001,425
Buffalo.....	July, 1874.....	746,702	405,207	341,495
Buffalo German.....	February, 1867.....	1,732,234	691,629	1,040,605
Commercial.....	May, 1850.....	3,570,521	1,920,594	1,649,927
Commonwealth.....	May, 1875.....	688,625	230,569	458,056
Connecticut.....	July, 1850.....	2,382,308	1,103,921	1,278,387
Continental.....	January, 1853.....	19,004,567	10,118,110	8,886,457
Detroit F. & M.....	March, 1856.....	2,173,364	1,253,282	920,132
Equitable F. & M.....	September, 1860.....	1,503,855	1,145,088	358,817
Fairfield.....	May, 1870.....	1,170,778	684,354	486,424
Faneuil Hall.....	March, 1872.....	1,381,360	711,747	679,613
Farragut.....	January, 1872.....	947,842	285,453	662,379
Fire Association.....	March, 1820.....	8,826,025	3,615,199	5,210,826
Fireman's Fund.....	January, 1863.....	5,534,806	3,630,436	1,904,371
Franklin Pa.....	June, 1828.....	19,866,252	11,088,837	8,777,415
German American.....	March, 1872.....	6,472,805	2,669,126	3,803,679
German.....	October, 1866.....	1,132,873	352,326	780,547
Germania.....	March, 1859.....	10,783,104	5,019,930	5,763,174
Girard F. & M.....	May, 1853.....	4,650,897	1,957,147	2,693,750
Glen's Falls.....	May, 1850.....	3,534,488	2,035,241	1,499,247

INSURANCE COMMISSIONER.

xxxiii

Hanover.....	April, 1852.....	9,476,468	4,923,791	4,552,677
Hatford.....	August, 1810.....	34,229,375	22,023,419	12,206,966
Hoffman.....	May, 1864.....	1,962,635	1,249,395	713,244
Home.....	April, 1853.....	45,887,470	28,487,370	17,400,100
Howard.....	April, 1825.....	6,416,894	3,413,819	3,003,075
Insurance Company of North America	1792.....	74,000,000	45,523,766	28,476,234
Lamar.....	April, 1872.....	1,264,269	688,322	576,947
Manhattan.....	March, 1872.....	4,248,833	2,378,901	1,869,932
Manufacturers F. & M.....	January, 1873.....	2,028,602	1,689,187	939,415
Mercantile Mutual.....	April, 1842.....	39,165,702	29,747,080	9,418,622
Mercantile.....	December, 1871.....	1,250,979	624,376	626,603
Merchants, N. J.....	April, 1858.....	3,239,587	1,259,243	1,980,344
Merchants, R. I.....	June, 1851.....	3,932,061	1,153,177	1,153,177
Menden.....	February, 1872.....	1,071,444	583,001	488,433
Milwaukee and Mechanics National.....	April, 1832.....	2,243,203	1,001,677	1,247,526
National.....	December, 1871.....	2,477,298	1,103,664	1,373,634
Newark City.....	March, 1860.....	1,058,574	418,778	639,706
Newark Fire.....	May, 1810.....	1,457,332	261,714	1,195,618
New Hampshire.....	April, 1870.....	1,083,155	515,517	567,638
New York Bowery.....	September, 1833.....	4,406,582	1,549,204	2,857,378
New York City.....	March, 1872.....	798,027	407,449	390,578
Niagara.....	August, 1850.....	10,597,179	6,057,119	4,640,080
Northern.....	March, 1872.....	1,021,187	671,193	349,994
Northwestern National.....	July, 1869.....	3,339,044	1,877,694	1,461,350
Orient.....	January, 1872.....	2,332,703	1,205,995	1,126,707
Orient Mutual.....	March, 1854.....	20,933,941	10,963,468	9,970,473
Pacific Mutual.....	January, 1855.....	16,627,449	10,157,811	6,469,598
Pennsylvania Fire.....	1825.....	7,299,801	5,204,215	2,095,586
People's.....	October, 1867.....	2,103,866	984,587	1,115,279
Phoenix.....	September, 1853.....	26,635,768	13,777,662	12,478,106
Phoenix.....	June, 1854.....	21,694,814	13,018,252	8,676,562
Providence Washington.....	1779.....	.....	.....	.....
Revere.....	May, 1875.....	320,176	99,752	220,424
Rochester German.....	February, 1872.....	1,101,368	479,883	621,485
Roger Williams.....	August, 1848.....	3,468,267	2,559,962	908,305
Security.....	1841.....	2,264,072	1,553,497	710,595
Shawmut.....	September, 1875.....	771,044	345,017	426,024
Springfield F. & M.....	1849.....	10,371,153	6,927,255	3,438,898
Standard.....	February, 1869.....	711,038	419,599	291,509

TABLE G—Continued.

COMPANIES.	Date of Commence- of Business.	Total premiums rec'd from commencement of business to date.	Total losses paid from commencement of business to date.	Excess of premi- ums received over losses paid.
Star.....	December, 1864.....	2,120,632	1,124,827	995,825
St. Joseph F. & M.....	January, 1868.....	1,500,308	730,923	769,385
St. Nicholas.....	July, 1852.....	2,456,386	1,397,826	1,058,560
St. Paul F. & M.....	May, 1865.....	3,821,830	2,484,500	1,337,330
Trade.....	July, 1873.....	561,538	338,052	223,486
Traders.....	May, 1872.....	2,392,369	1,278,045	1,084,324
Union.....	July, 1863.....	13,965,169	10,051,937	3,513,232
Watertown.....	December, 1867.....	2,700,598	1,225,628	1,474,970
Westchester.....	April, 1837.....	6,118,520	3,335,494	2,773,026
Williamsburgh City.....	March, 1853.....	5,597,228	2,957,697	2,639,531
Total.....		\$618,352,322	\$366,978,101	\$251,374,221
FOREIGN COMPANIES—U. S. BRANCHES.				
British America.....	1833.....			
Commercial Union.....	October, 1861, in U. S.	5,023,575	2,737,282	2,286,293
Hamburg Bremen.....	January, 1855.....			
Imperial.....	1863.....	7,024,196	4,850,434	2,173,762
LaCaisse Generale.....	December, 1858.....			
Lancashire.....		3,570,003	1,817,205	1,752,798
Liverpool & London & Globe.....	1854 in U. S.....	40,938,229	24,177,268	16,760,959
London Assurance.....	1872 in U. S.....			
Northern.....	1835.....	1,124,433	408,901	715,532
North British and Mercantile.....	December, 1866, in U. S.	14,217,792	9,748,381	4,469,411
North German.....	December, 1877, in U. S.			
Queen.....	May, 1866, in U. S.	8,500,399	5,099,668	3,400,641
Royal.....	1845.....			
Royal Canadian.....	August, 1873.....			
Scottish Commercial.....	January, 1873, in U. S.	2,080,183	1,013,419	1,066,764
Western.....	1851.....			
Total.....		\$92,478,718	\$49,852,558	\$32,626,160

BUSINESS IN MINNESOTA.

The business of 1878 in the aggregate, as reflected in the foregoing tables, appears to have been a declining one. Compared with that of the previous year, there was a material reduction in the volume of business done. Separating, however, the Minnesota business from the aggregate, and considering it by itself, the contrary seems to have been the result. Thus the amount of fire risks written in Minnesota during the past year was \$64,665,661 against \$60,157,448 in 1877—an increase of over four and one-half million dollars. The inland business increased from \$7,383,483 in 1877 to \$7,831,540 in 1878—a difference of \$448,037—making an aggregate increase on the fire and inland business of nearly five millions dollars in the amount of business written, but the increase in the total amount of premiums received was not proportionate to this increase in the amount of business written, as will be shown farther along.

CLASSIFICATION OF THE BUSINESS.

Classifying the business between the Companies of this State, the Companies of other States, and the Companies of foreign countries, we have the following result:

COMPANIES OF THIS STATE.

	Risks written.	Premiums received.	Losses incurred.
St. Paul Fire and Marine.....	\$12,248,971	\$ 97,911 92	\$ 65,789 19
Minn. Farmers' Mutual	3,064,973	33,228 32	14,992 20
Total	\$15,313,944	\$131,140 24	\$ 80,781 39
Companies of other States.....	47,636,865	630,813 79	650,625 21
Foreign Companies.....	9,546,392	139,112 20	154,065 80
Grand Total.....	\$72,497,201	\$901,066 23	\$885,472 40

It appears from this statement that while the "Companies of other States" and the "Foreign Companies" incurred losses, in the aggregate, in excess of their aggregate premium receipts, amounting to \$19,811.42 in the case of the former and \$14,953.60 in the case of the latter, the two Minnesota Companies show an excess of premiums over losses of \$50,358.55. Deducting thirty per cent. of the premiums for expenses—a low estimate—there is a net gain here of \$11,016.55. This is not a very large margin, but compared with the record of the other State and foreign Companies, it will do very well.

The aggregate amount of net premiums of these Companies was \$769,925.99. Thirty per cent. of this amount, or \$230,977.79 must be allowed for the expenses of obtaining the business, which, including the two per cent. paid for taxes, is a low estimate. Therefore the facts may be clearly stated as follows:

Aggregate fire losses incurred.....	\$864,691 01
Expenses, being 30 per cent. of premium receipts.....	230,977 79
Total aggregate losses to the Companies.....	\$1,035,668 80
Deduct aggregate premium receipts.....	769,925 99
Aggregate net losses to Companies.....	\$265,742 81

The above amount of \$265,742.81, represents the amount these Companies are "out" in the aggregate, on their year's business in Minnesota—the actual amount of losses they have sustained over all income or benefits.

COMPARISON.

The following affords a comparison of the aggregate business in Minnesota of the last two years:

	1877.	1878.
Fire risks written.....	\$60,157,448 00	\$64,665,661 00
Inland risks written.....	7,383,483 00	7,831,540 00
Total risks written during the year	\$67,540,931 00	\$72,497,201 00
Fire premiums received.....	851,129 24	868,536 38
Inland premiums received	37,253 37	32,529 85
Total premiums received.....	\$888,382 61	\$901,066 23
Average fire premium rate.....	1.41	1.34
Average inland premium rate.....	.50	.41
Total fire and inland losses incurred.....	501,844 60	885,472 40
Total fire and inland losses paid.....	478,580 79	835,846 49
Excess of premiums rec'd over losses incurred	386,538 01	15,593 83
Ratio of losses incurred to premiums received	56.49	98.26

There was an increase, it will be noticed, of \$4,508,213 in the amount of fire risks written and of \$448,037 in the amount of inland risks written, making a total increase of \$4,956,250. The fire premiums show an increase of \$17,407.00, and the inland premiums, on the contrary, a decrease of \$4,723.52. The increase in the amount of fire premiums is by no means proportionate to the increase in the volume of business written. The average fire premium rate shows a reduction from 1.41 to 1.34. There has been a gradual reduction of rates in Minnesota, as indicated by the average rate, for the last four years, as follows:

	Av. prem. rate.
1875.....	1.66
1876.....	1.61
1877.....	1.41
1878.....	1.34

Considering the large number of special hazards within the boundaries of Minnesota, the average rate of 1878 on the Minnesota business was very low—much lower, as shown by the experience of the Companies in the year's business, than they could afford. True, the losses were extraordinarily large, on account of the disastrous mill explosions at Minneapolis in May last. But if these extraordinary losses be deducted from the total, there is still a small margin of profit left to the Companies.

THE MILL EXPLOSIONS.

So much has already been said and printed in regard to the disastrous mill explosions at Minneapolis, on the 2d of May last, by which a number of human lives, and magnificent mill and other buildings, worth hundreds of thousands of dollars, were destroyed, that it is deemed unnecessary—superfluous, indeed—to refer to the matter in extenso in this report. But a brief reference to the amount of property destroyed, the insurance carried and the losses to the insurance companies, will not be out of place.

Chief Engineer Brackett, of the Minneapolis fire department, has prepared a table, giving the description, ownership and value of the property destroyed at that fire, together with the amount of insurance carried, the amount of the loss to the insurance companies, &c., a copy of which has been kindly furnished to this office by Mr. W. G. Telfer, of Minneapolis, and is herewith printed as a sort of permanent record of that disaster. If not absolutely correct, it probably is a very close approximation to the exact facts:

Table showing losses by the Mill Explosion Fire, at Minneapolis, May 2d, 1878, and the losses paid thereon by Insurance Companies.

DESCRIPTION OF PROPERTY.	NAMES OF OWNERS.		Insurance Carried.		Loss.		Insurance Paid.	
			*Building.	Contents.	*Building.	Contents.	*Building.	Contents.
Washburn A. mill.....	C. C. Washburn.....		\$175,550	\$ 40,000	\$300,000	\$ 56,000	\$147,125	\$ 40,000
Diamond mill.....	Gorton, Haywood & Co.....		20,000	1,500	40,000	2,000	20,000	1,500
Humbolt mill.....	Bull & Newton.....		44,500	7,000	50,000	7,000	34,035	7,000
Mill machine shop.....	A. R. Guider.....		1,500	1,600	2,000	4,385	1,500	1,600
Blacksmith and machine shop.....	H. C. Butler.....				1,500	2,500		
Planing mill, sash, door factory and shed.....	W. D. Washburn.....		12,500	1,500	16,500	3,000	12,500	1,500
Washburn "B" mill.....	C. C. Washburn.....		50,000	20,000	150	200	150	200
Minneapolis Elevator.....	Minneapolis Mill Co.....		28,000	31,500	56,500	27,190	28,000	22,244
Pettit flour mill.....	Pettit, Robinson & Co.....		54,000	9,000	80,000	9,000	54,000	9,000
Zenith flour mill.....	Dey, Rollins & Co.....		15,000	5,000	35,000	10,000	15,000	5,000
Galaxy flour mill.....	Estate of W. P. Ankeny.....		40,000	4,000	65,000	1,840	40,000	1,840
City flour mill.....	Solon Armstrong.....		7,500		175		175	
Round House.....	M. & St. L. R. R.....				100			
Cooper shop and yard.....	Hall & Dann.....			3,000	500	4,500		3,000
Railroad cars.....	Sundry Railroads.....		7,500		7,500		7,500	
Lumber yard.....	Pettit, Robinson & Co.....			18,000		9,000		9,000
Dwelling and barn.....	F. A. Harrison.....							
Penicement house.....	Lowry & Morrison.....		700		700		700	
Store house.....	Warner, Brewster & Co.....		6,500		6,500		5,500	
Barn.....	C. G. Vaunstrup.....					425		
Dwelling.....	P. Yampun.....		100		150		100	
Barn.....	R. Shumacher.....		300		350		300	
Dwelling.....	Gannon & Barnes.....		1,000		130		130	
Dwelling.....			500		500		500	
Totals.....			\$465,000	\$142,100	\$663,330	\$137,390	\$367,275	\$101,884

*Machinery included.

By the foregoing table it will be seen that the total losses on buildings and contents amounted to \$800,720, and that the insurance at the time of the fire amounted to \$607,100. In settlement of these losses the companies have paid \$469,159. The Washburn mill was insured to the extent of about \$125,000 in companies unauthorized to do business in this State, and some \$28,000 of the insurance thus effected is still unpaid. Suits are pending against a dozen or so of companies to recover the balance due, with doubtful prospects of ever recovering anything beyond the judgments of the courts; the companies being small, weak, and comparatively irresponsible.

The amount of insurance paid on these losses, as stated above, was \$469,159. Of this amount some \$80,000 was paid by outside companies. Therefore the amount paid by authorized companies was about \$389,151.

Preceding 1878, the most disastrous year in Minnesota to the insurance companies was in 1877, when the losses incurred amounted to \$501,844.60. If the Minneapolis fire—a fire induced and caused by most extraordinary and unusual circumstances, such as never may occur again, especially since precautionary measures have been adopted in all the mills against their so occurring—if this fire and the losses occasioned by it were left out of the comparison, there would be but very little difference in amount between the losses of 1877 and 1878, and that difference would be in favor of the latter year.

The excess of losses incurred in 1878 over those of 1877, as reported by authorized companies, is \$383,627.80. The amount paid by authorized companies on account of the Minneapolis fire, was about \$389,159. The difference, it will be observed, is not great. Leaving that fire out of the account, therefore, there is nothing in the fire record of this State, of 1878, to discourage insurance companies. Minnesota has hitherto been a profitable insurance field, and there is no reason why it should not continue to be a good one in the future.

THE BUSINESS FOR SEVEN YEARS.

The following statement gives the total amount of business done in the State for the seven years last past, showing for each year, the risks written, premiums received, and losses incurred:

Year	Risks written.	Premiums received.	Losses incurred.
1872.....	\$ 48,718,176	\$ 689,738.24	\$ 306,839.92
1873.....	56,816,622	846,743.64	374,793.13
1874.....	60,842,209	940,137.67	247,712.60
1875	62,588,988	987,285.48	462,685.70
1876.....	64,375,681	972,874.33	367,705.26
1877.....	67,540,931	888,382.61	501,844.60
1878.....	72,497,201	901,066.23	885,472.40
Totals.....	\$433,379,808	\$6,226,228.20	\$3,147,053.61

It will be seen by the above that even with the unfavorable figures of the business of 1878 added in, the record for seven years together is by no means unfavorable to the companies; the total losses incurred during this period amounting to but fifty per cent. of the premiums.

The following table gives a detailed statement of the business in Minnesota for 1878:

TABLE Showing the Insurance Business transacted in the State of Minnesota, for the year 1878, respecting Risks written, Premiums received, Losses paid and Losses incurred.

COMPANIES.	LOCATION.	FIRE BUSINESS.		Average premium rate.	INLAND BUSINESS.		Losses paid.	Losses incurred.	Ratio of losses incurred to premiums received.
		Risks written.	Premiums received.		Risks written.	Premiums received.			
Etna.....	Hartford, Ct.....	\$1,854,694 00	\$27,105 65	1.46	.....	.....	\$9,021 86	\$9,031 86	33
Amazon.....	Cincinnati, O.....	277,962 00	3,895 58	1.40	.....	.....	5,687 00	4,463 65	140
American Central.....	St. Louis, Mo.....	740,224 00	15,350 30	2.07	.....	.....	17,845 85	20,728 49	135
American.....	Chicago, Ill.....	2,737,202 00	15,112 24	.65	.....	.....	5,287 99	4,827 16	32
American Fire.....	Philadelphia, Pa.....	453,556 00	6,516 87	1.43	.....	.....	8,919 95	8,075 80	123
Atlantic.....	Brooklyn, N. Y.....	289,860 00	4,853 18	1.67	.....	.....	11,695 01	13,042 01	68
Atlantic F. & M.....	Providence, R. I.....	86,239 00	1,164 61	1.30	.....	.....	2,286 91	2,911 91	250
Buffalo.....	Buffalo, N. Y.....	57,850 00	1,069 32	1.84	\$ 59,470 00	461 22	7,062 65	7,062 55	458
*Buffalo German.....	Buffalo, N. Y.....	92,100 00	1,122 37	1.22	.....	.....	.....	.....	.....
Boston Underwriters.....	Boston, Mass.....	92,946 00	691 86	.74	.....	.....	18,474 99	18,474 99	26
Commercial.....	New York City.....	143,375 00	1,527 60	1.06	.....	.....	.....	.....	.....
Commonwealth.....	Boston, Mass.....	208,805 00	3,291 05	1.57	.....	.....	4,238 21	4,238 21	129
Connecticut.....	Hartford, Ct.....	498,087 00	5,983 10	1.20	.....	.....	3,080 84	6,778 43	113
Continental.....	New York City.....	3,487,930 00	50,142 80	1.43	.....	.....	17,398 43	23,520 64	46
Citizens.....	St. Louis, Mo.....	121,992 00	2,350 00	1.93	.....	.....	5,126 00	6,046 00	257
Equitable F. & M.....	Providence, R. I.....	86,239 00	1,164 61	1.30	.....	.....	2,286 91	2,911 91	250
Fairfield.....	South Norwalk, Ct.....	64,335 00	1,087 83	1.68	.....	.....	2,550 00	2,550 00	234
Faneuil Hall.....	Boston, Mass.....	139,850 00	2,772 16	1.98	.....	.....	4,846 15	4,846 15	174
Fire Association.....	Philadelphia, Pa.....	869,424 00	12,760 62	1.46	.....	.....	16,229 24	18,349 75	143
Fireman's Fund.....	San Francisco, Cal.....	659,518 00	10,220 04	1.35	.....	.....	11,469 70	11,459 70	112
Franklin.....	Philadelphia, Pa.....	937,393 00	11,823 30	1.24	.....	.....	14,071 96	14,071 96	119
German American.....	New York City.....	1,691,713 00	25,696 60	1.52	.....	.....	17,683 07	21,163 74	82
German.....	Freeport, Ill.....	426,048 00	6,696 59	1.57	.....	.....	5,210 53	5,210 53	77
Germania.....	New York City.....	965,619 00	13,880 12	1.95	.....	.....	10,891 31	9,405 48	49
Girard F. & M.....	Philadelphia, Pa.....	507,356 00	6,291 21	1.23	.....	.....	15,749 86	15,749 86	250
Glen's Falls.....	Glen's Falls, N. Y.....	359,643 00	5,992 23	1.66	.....	.....	14,288 46	14,044 40	234
Hanover.....	New York City.....	965,619 00	18,830 12	1.95	.....	.....	10,891 31	9,405 48	49
Hartford.....	Hartford, Ct.....	3,384,028 00	43,986 03	1.30	.....	.....	38,069 68	45,909 55	103
Hoffman.....	New York City.....	109,409 00	1,424 73	1.30	.....	.....	22 62	1,502 62	105
Home.....	New York City.....	3,089,039 00	44,952 91	1.45	.....	.....	43,566 96	49,319 02	109

*Admitted since issue of last report.

TABLE—Continued.

COMPANIES.	LOCATION.	FIRE BUSINESS.		Average premium rate.	INLAND BUSINESS.		Losses paid.	Losses incurred.	Rates of losses incurred to premiums received.	
		Risks written.	Premiums received.		Risks written.	Premiums received.				
Howard.....	New York City.....	\$154,275 00	\$1,479 12	.95	.....	.....	15 50	15 50	01	Per cent.
Insurance Co. of North America.....	Philadelphia, Pa.....	2,028,249 00	35,032 27	1.72	.....	.....	35,546 33	37,751 33	107	"
Lamar.....	New York City.....	236,663 00	4,311 84	1.82	\$78,856 00	\$ 597 68	10,142 21	10,142 21	235	"
Manhattan.....	New York City.....	654,042 00	8,384 58	1.28	180,317 00	584 28	8,677 78	9,510 31	103	"
Manufacturers' F. & M.....	Boston, Mass.....	376,584 00	4,886 37	1.29	.....	.....	18,933 87	14,942 77	396	"
Mercantile Mutual.....	New York City.....	.....	.....	.....	2,221,516 00	9,672 88	439 01	439 01	.....	.....
Mercantile.....	Cleveland, Ohio.....	135,093 00	2,088 27	1.53	.....	.....	271 40	2 00	.....	.....
Merchants.....	Newark, N. J.....	552,224 00	6,713 66	1.21	.....	.....	14,846 83	16,396 83	245	"
Merchants.....	Providence, R. I.....	86,239 00	1,164 61	1.30	.....	.....	2,286 91	2,911 91	250	"
Meriden.....	Meriden, Ct.....	377,400 00	5,032 01	1.33	.....	.....	3,872 91	5,897 91	117	"
Milwaukee Mechanics' Mutual.....	Milwaukee, Wis.....	610,972 00	9,422 20	1.54	.....	.....	4,241 04	4,241 04	45	"
Minnesota Farmer's Mutual.....	Minneapolis, Minn.....	2,064,373 00	33,228 32	1.15	.....	.....	14,992 20	14,992 20	42	"
National.....	Hartford, Ct.....	506,820 00	6,973 56	1.37	.....	.....	10,757 28	10,757 28	154	"
*Newark City.....	Newark, N. J.....	26,650 00	800 00	3.00	.....	.....	.....	.....	.....	.....
*Newark Fire.....	Newark, N. J.....	370,196 00	5,232 62	1.43	.....	.....	6,840 42	6,840 42	129	"
New Hampshire.....	Manchester, N. H.....	186,670 00	2,939 95	1.46	.....	.....	2,550 00	3,853 13	140	"
Niagara.....	New York City.....	233,259 00	5,450 00	1.85	.....	.....	13,251 70	9,379 01	172	"
Northern.....	Watertown, N. Y.....	232,720 00	4,508 49	1.86	.....	.....	5,669 62	6,669 62	225	"
Northwestern National.....	Milwaukee, Wis.....	844,037 00	12,629 20	1.49	.....	.....	8,969 37	8,969 37	71	"
Orient.....	Hartford, Ct.....	493,773 00	6,501 54	1.32	.....	.....	5,469 61	7,969 61	122	"
Orient Mutual.....	New York City.....	.....	.....	.....	941,196 00	2,377 22	622 10	622 10	26	"
Pacific Mutual.....	New York City.....	.....	.....	.....	121,559 00	371 58	192 49	192 49	52	"
Pennsylvania Fire.....	Philadelphia, Pa.....	683,333 00	12,872 12	1.88	.....	.....	14,995 81	16,867 88	131	"
People's.....	Newark, N. J.....	304,815 00	4,671 15	1.35	.....	.....	9,844 81	9,981 14	214	"
Phoenix.....	Brooklyn, N. Y.....	1,082,144 00	16,695 16	1.54	1,807,371 00	7,505 05	11,796 00	13,537 64	56	"
Phoenix.....	Hartford, Ct.....	1,059,535 00	23,396 01	1.42	.....	.....	12,595 91	14,275 91	69	"
Providence Washington.....	Providence, R. I.....	86,209 00	1,164 61	1.35	.....	.....	2,286 91	2,911 11	250	"
Revere.....	Boston, Mass.....	60,000 00	1,463 31	2.43	.....	.....	3,830 00	5,113 35	348	"
Rochester German.....	Rochester, N. Y.....	204,685 00	3,508 55	1.71	.....	.....	5,452 93	5,452 93	155	"
Roger Williams.....	Providence, R. I.....	141,418 00	2,307 67	1.63	.....	.....	550 15	550 19	23	"
Security.....	New Haven, Ct.....	84,620 00	1,540 09	1.83	.....	.....	1,130 66	1,130 66	73	"

*Admitted since issue of last report.

FOREIGN COMPANIES—U. S. BRANCHES.									
Shawmut.....	Boston, Mass.....	429,394 00	5,644 36	1.32	.....	.....	.....	8,788 75	8,788 75 155
Springfield, F. & M.....	Springfield, Mass.....	1,090,912 00	22,148 65	2.01	.....	.....	.....	21,945 31	20,934 52 94
Standard.....	Trenton, N. J.....	74,150 00	1,372 42	1.85	.....	.....	.....	5 00	5 00
Star.....	New York City.....	93,275 00	881 95	.94	.....	.....	.....	.....	.....
St. Joseph F. & M.....	St. Joseph, Mo.....	157,287 00	2,614 32	1.66	.....	.....	.....	18 52	18 52
St. Nicholas.....	New York City.....	155,300 00	1,756 22	1.12	.....	.....	.....	1,115 65	1,115 65 64
St. Paul F. & M.....	St. Paul, Minn.....	9,827,716 00	86,851 98	.88	2,421,255 00	10,959 94	.....	70,284 87	65,789 19 67
Trade.....	Camden, N. J.....	32,600 00	842 73	2.46	.....	.....	.....	25 00	25 00
Traders.....	Chicago, Ill.....	433,232 00	10,307 23	2.37	.....	.....	.....	8,701 35	10,003 47 97
Union.....	Philadelphia, Pa.....	50,750 00	323 41	.63	.....	.....	.....	1,951 08	1,951 08 600
Watertown.....	Watertown, N. Y.....	594,800 00	5,910 05	1.00	.....	.....	.....	2,139 45	2,139 45 38
Westchester.....	New Rochelle, N. Y.....	801,430 00	7,149 60	.89	.....	.....	.....	14,295 40	13,117 76 183
Williamsburg.....	New York City.....	43,810 00	498 36	1.13	.....	.....	.....	.....	.....
Total.....	.....	\$55,119,269 00	\$729,424 18	.....	7,831,540 00	.....	\$32,529 85	\$684,266 32	\$731,406 60
FOREIGN COMPANIES—U. S. BRANCHES.									
British America.....	Toronto, Canada.....	446,125 00	8,427 84	1.62	.....	.....	.....	2,259 77	8,204 77 98
Commercial Union.....	London, Eng.....	816,388 00	19,261 19	1.62	.....	.....	.....	10,133 35	9,134 00 68
Hamburg Bremen.....	Hamburg, Ger.....	488,731 00	7,722 47	1.58	.....	.....	.....	6,404 35	4,438 33 57
Imperial.....	London, Eng.....	336,538 00	6,783 00	2.08	.....	.....	.....	9,826 00	7,914 00 116
La Caisse Generale.....	Paris, France.....	559,397 00	7,440 11	1.33	.....	.....	.....	6,459 86	8,359 87 112
Lancashire.....	Manchester, Eng.....	*550,000 00	8,851 62	1.60	.....	.....	.....	10,549 60	10,549 60 118
Liverpool & London & Globe.....	Liverpool & London.....	1,686,112 00	13,973 18	1.94	.....	.....	.....	12,370 45	12,370 45 79
London Assurance.....	London, Eng.....	296,600 00	3,979 14	1.34	.....	.....	.....	2,685 48	2,685 48 67
Northern.....	London, Eng.....	336,538 00	6,783 00	2.08	.....	.....	.....	9,826 00	7,914 00 116
North British and Mercantile.....	London & Edinburgh.....	1,283,441 00	19,016 27	1.48	.....	.....	.....	22,020 68	21,893 48 114
North German.....	Hamburg, Ger.....	297,755 00	3,093 24	1.03	.....	.....	.....	15 50	15 50
Queen.....	London, Eng.....	393,000 00	5,778 82	1.45	.....	.....	.....	9,922 51	4,381 77 75
Royal.....	Liverpool, Eng.....	647,438 00	7,666 05	1.18	.....	.....	.....	19,178 25	19,178 25 251
Royal Canadian.....	Montreal.....	296,075 00	4,835 86	1.63	.....	.....	.....	11,379 62	13,379 62 276
Scottish Commercial.....	Glasgow, Scotland.....	829,720 00	14,745 38	1.77	.....	.....	.....	11,176 74	12,239 69 84
Western.....	Toronto, Canada.....	281,733 00	4,815 02	1.78	.....	.....	.....	7,462 00	11,407 00 23
Total.....	.....	\$9,546,592 00	\$139,112 20	.....	.....	.....	.....	\$151,580 17	\$154,065 80
Grand Total.....	.....	\$64,665,661 00	\$868,536 38	1.34	7,831,540 00	\$32,529 85	\$835,486 49	\$835,472 40	.....

* Estimated.

TOWNSHIP MUTUALS.

In considering the insurance business of 1878 in Minnesota, the operations of the township mutuals have not been taken into consideration.

At the close of the year there were nine of these companies organized and doing business, with a total membership of 725, having 763 policies in force, covering \$923,678 of risks. One additional, viz, the Hay Creek Mutual of Goodhue Co., has been organized since January 1st. At the last session of the Legislature, the law authorizing the organization of this class of companies was amended by including a number of counties not previously included, and conferring upon them the right to insure against damages by *hail* as well as fire and lightning. As it now stands, township mutuals may be organized—as per the act of 1875—in the following named counties:

Becker, Brown, Carver, Chippewa, Chisago, Dakota, Dodge, Fillmore, Freeborn, Goodhue, Hennepin, Houston, Kanabec, Kandiyohi, Le Sueur, Lyon, McLeod, Meeker, Nicollet, Olmsted, Pine, Pope, Rice, Renville, Sibley, Steele, Stearns, Swift, Washington, Waseca, Wright, the Seventh Senatorial District of Winona, and Yellow Medicine.

The following table shows the business of these companies for 1878, and their general condition as respects number and amount of risks in force, and cash on hand, at the beginning of the present year:

MUTUAL COMPANIES.

Table showing their Business for 1878, and condition at the beginning of 1879.

NAME OF COMPANY.	LOCATION.	When Organized.	No. of policies in force Dec. 31, of prev's yr.	No. of Policies issued during the year 1878.	Amount insured thereby.	No. of policies in force Dec. 31, 1878.	Amount of insurance in force Dec. 31, 1878	Cash on hand and in Bank Dec. 31, of previous year.	Received for membership during 1878.	Received from Assessments during 1878.	Received from all other sources during 1878.	Total receipts in 1878.	Losses incurred in 1878	Losses paid in 1878.	All other expenditures in 1878.	Total expenditures in 1878.	Amount on hand Jan. 1st, 1879.
Edda Mutual.....	Kasson, Dodge co.	Mc'h 1, 1877	34	4	\$ 5,000	32	\$ 46,132	\$ 24 45	\$ 2 00	.....	.....	\$ 2 00	.....	.....	.....	.....	\$ 26 45
Farmers' Mutual.....	Manchester Freeborn co.	Dec. 7, 1876	102	27	36,050	129	177,917	51 75	54 00	\$ 394 10	\$ 9 00	508 85	\$ 415	\$ 415	\$ 92 25	\$ 507 25	1 60
Farmers' Mutual.....	Bath, Freeborn co.	Jan. 1, 1878	...	59	57,426	59	57,426	.....	55 00	143 81	5 00	203 81	.....	.....	40 75	40 25	163 06
Holden & Wheeling Mutual.....	Holden, Goodhue and Rice cos.....	M'y 13, 1876	47	11	13,085	57	66,305	34 33	14 90	66 05	.....	80 95	2	2	15 60	17 60	97 68
Holden & Warsaw Mutual.....	Holden, Goodhue co	N'v. 13, 1875	92	13	18,650	105	149,950	281 43	8 00	55 95	21 68	85 63	8	8	16 25	24 25	337 81
Kenyon Mutual.....	Kenyon, Goodhue co.....	July 3, 1875	65	12	11,320	74	87,001	71 06	6 00	.....	101 57	107 57	.....	50	45 20	95 20	83 43
Stockholm Mutual..	Moore's Prairie, Wright co.	Jan. 1, 1878	...	60	50,936	60	50,936	.....	212 07	.....	.....	212 07	.....	.....	101 68	101 68	110 39
Wilmington Mutual.	Spring Gr'Ve, Hous-ton co.....	Ap'l 1, 1876	66	5	7,400	70	60,085	43 36	16 30	54 49	.....	70 79	.....	.....	15 60	15 60	98 55
Wanamingo, Cherry Grove & Minneola Mutual.....	Cherry Grove, Goodhue co.....	M'y 27, 1876	130	48	53,290	177	227,926	284 25	239 34	.....	18 00	257 34	.....	.....	154 92	154 92	386 67
Total.....	.....	.....	536	239	\$253,157	763	\$923,678	\$ 730 63	\$ 607 61	\$ 714 40	\$ 155 25	\$1,529 01	\$ 425	\$ 475	\$ 482 25	\$ 937 25	\$1,305 64

LEGISLATION.

The Legislature recently in session, enacted but two laws of a general character upon the subject of insurance. One is what is known as the Michigan cancellation law, the principal feature of which is, that the Insurance Commissioner shall have power to prohibit from doing business in this State, all companies which do not provide in their policies for the cancellation thereof, at the request of the insured, on equitable terms. At the instance of the officers of the Minnesota Farmers' Mutual Insurance Company, the law was made to take effect July 1st next, instead of immediately, to give them opportunity to make the necessary changes in their blanks.

The other law passed is of considerable importance to agents. It amends section seven of title three of the general law of 1872. As amended, the section now reads as follows:

"Section 7. No person shall act as agent in this State for any company not of this State, in any matter whatever relating to risks, until the last section has been complied with on the part of the company, and he has received from the Insurance Commissioner an agent's certificate of authority, stating that the foregoing requirements have been complied with, a record of the issuance of which certificate shall be kept in the office of the Commissioner. Renewal certificates must be obtained by agents within sixty days from the first day of January in each year. Any person acting as agent of an Insurance Company, or doing or attempting to do business in any way relating to obtaining insurance in this State for any Insurance Company or companies, without such agent's certificate of authority, in violation of this section, or after said certificate shall have been revoked, shall be deemed guilty of a misdemeanor and be subject to a fine, on conviction, of not less than twenty-five or more than one hundred dollars, for each offense, to be paid into the treasury of the county where the offense was committed.

"In case of the non-payment of any such fine, the court shall have power to punish the offending party by imprisonment in the county jail for a period not exceeding three months.

"It shall be the duty of the Insurance Commissioner to notify the County Attorney of the proper county in writing, of any offense under this section, which may come to his knowledge; and it shall thereupon become the duty of such County Attorney to at once cause proceedings to be instituted for the punishment thereof. All persons or agents soliciting fire or inland risks in this State, shall be residents of this State; but this section shall not be construed to apply to special or general agents of insurance companies, not soliciting risks."

Previous to the amendment the law did not provide for the imprisonment of offenders in case of non-payment of fines, nor did it require agents to be residents of this State. These are the principal changes effected by the amendment.

THE WISCONSIN LAW.

Among other bills relating to the subject of insurance, proposed for laws at the recent session of the Legislature, was one making the face of a policy on real property the measure of damages in case of total loss—a copy of what is well known all over the country as the Wisconsin law. It was introduced in the Senate, and referred to the insurance committee, who after due consideration, very wisely reported against its passage, and the Senate accepting the report, it was in this way disposed of. A similar bill was introduced in the House, but never was acted upon in any way beyond a reference to the appropriate committee. There was a disposition manifested on the part of the Legislature to deal fairly and justly by the insurance companies; and inasmuch as this law is generally considered a great deal of an experiment, it was deemed best to wait until another session any way, before enacting it here, by which time its practical workings in Wisconsin will be better understood. The Insurance Commissioner of Wisconsin has already (in his report of last year) taken a stand against the law in its present shape. Bills embodying the same principle, in one shape or another, are now pending in several of the State Legislatures. In Tennessee one recently passed both branches of the Legislature, but was vetoed by the Governor.

The object of the law (to prevent over-insurance, and, thereby, the destruction of property by fire) is certainly a commendable one; but the law itself, in its present shape, as in force in Wisconsin, is certainly very objectionable. It assumes that the blame of over-insurance is wholly with the companies, and that, therefore, the remedy must come through legislation restricting their acts alone. Now this assumption is erroneous. It is absurd that the agent of the company should be supposed to know more accurately the value of a building than the owner of it. It is not true that he does. But it is true that buildings are often over-valued by the owners—that they are thus over-valued for the very purpose of obtaining over-insurance—and that companies are often induced to carry risks exceeding the value of the property insured, by reason of these misrepresentations. A law compelling a company to pay the full face of a policy under such circumstances, would be exceedingly unjust; and yet that is just what the Wisconsin law does. It is generally supposed that in effecting a contract of insurance, the company, in some way or other, has the advantage. This is not true either. The company, it should be remembered, is necessarily represented by an agent, while the property owner, in most cases, represents

his own interests in person. He knows the value of his own property, and in effecting a contract of insurance upon it, acts for himself in the matter, advisedly. The company is at the disadvantage of being compelled to depend upon an agent, whose judgment may be at fault, and whose representations may be incorrect. Why, therefore, should the remedy for the wrong of over-insurance be sought from the companies alone?

Besides, it is doubtful if the effect of the law would not be to encourage and increase the destruction of property by fire, rather than decrease it. The certainty of procuring the full amount written in the policy, in case of the destruction of the property, would be very apt to cause a good many buildings to burn, however careful companies might be to avoid over-insurance. This is the great fear of the companies. They do not object to a limitation of their risks, for manifestly it is to their interest to avoid every thing that will tempt the owners of property to burn it, and thus entail upon them heavy losses; but they object to it more particularly because it places them in a position where, notwithstanding the exercise of the greatest of care, they may be continually wronged by that class of dishonest people who, by misrepresentations, succeed in obtaining from the agent over-insurance, and then sell the property insured to the companies by burning it. The companies in such cases, would be at the mercy of the incendiaries.

However, it is not the purpose of the writer to discuss the Wisconsin law at this time. It is a prolific theme. Very many reasons could be urged against it, but it is deemed unnecessary. The Legislature of Minnesota does not convene again for two years, and in the meantime more will be learned regarding the practical operations of the law in our neighboring State.

It is doubtful, indeed, if there is any demand by the people in this State at present for such legislation. They understand, probably, that insurance is simply *indemnity*—nothing more—and that the amount written in the policy is the *limit*, merely, of the risk the company assumes. Hence they do not need or require legislative protection.

TAX ON PREMIUMS.

The injustice of the present law by which insurance companies are required to pay to the State, in lieu of taxes, two per cent. of their total premium receipts, without regard to the amount of losses incurred, is only made more manifest by the excessive losses in this State of 1878. Thus, as heretofore shown, the total losses incurred

amounted to 98.26 per cent. of the total premium receipts. Without any allowance whatever for expenses, there is not a sufficient margin left after paying the losses, to pay the State the two per cent. which the law exacts in lieu of taxes. This is on the aggregate business, but in the case of individual companies that have been compelled to pay out, on account of losses, their entire premium receipts many times over, the hardship of the law has a special application. It does not seem fair or equitable to tax companies beyond their income. When they have distributed to citizens of the State all they have received, and more too, as is often the case, it is peculiarly unjust (or at least seems so to the writer) to exact from them by way of a tax, an additional sum; as though, indeed, this were a privilege for which they should be made to pay. Would it not be much more in accordance with what is right, to lay this tax, even though it should be deemed necessary to increase the rate, on the excess of premiums received over losses incurred? Manifestly it would.

FOREIGN COMPANIES.

It is pretty generally conceded by those who have given the matter consideration, that the legislation of the several States as it relates to the admission and supervision of foreign insurance companies, is lacking in some essential elements of safety to the policy holders in the United States of this class of companies.

The record of the foreign companies thus far, in their operations in the United States, is good. They have shown not only an ability to meet their obligations, but a willingness or readiness to do so that commends them to the public confidence. It is not, therefore, on account of any actual resulted wrongs that it is deemed important to suggest any changes in these laws, but more on account of their palpable imperfections and the wrongs which might occur under them in the admission of unworthy foreign companies into the States, to compete with American companies, which are held, under the laws governing *them*, to the strictest requirements for the protection of their policy holders.

Under existing laws, these companies may be admitted to do business in nearly all the States, on depositing \$200,000—the minimum amount of paid up capital required by the laws of this State, of American companies—in the State of New York, or some other State, appointing trustees, &c., &c., without any particular regard to their financial standing in their own countries. Although this deposit is made nominally for the benefit of all policy holders in the

United States, it has always been considered a question whether, in case of the failure of one of these companies, it would not inure to the benefit of the policy holders of the State where deposited, to the exclusion of those in other States. The trusteeships which control the assets, owing to the complete power over them retained by the companies, including power of removal of all of them at any time, without immediate substitution, do not seem to afford ground for entire confidence that these assets, beyond the actual deposits, could, under certain contingencies, be reached for the benefit of policy holders. Indeed, it is often asserted that the only protection afforded the policy holders, having any element of certainty about it, is in the State deposits. And this idea is manifesting itself more and more in a tendency on the part of State Legislatures to pass deposit laws for each State.

The American companies claim — and not without reason — that the laws of the several States now discriminate against them and in favor of the foreign companies. There should be no discrimination *against* home capital. If any favoritism is shown, it should be in favor of home instead of foreign companies. But all legislation on this subject should be governed by a spirit of fairness and justice. The deposit plan is impracticable, besides it is neither necessary nor desirable. To require each company to deposit \$200,000 in each State, would be in effect, to prohibit them from doing business in this country, except in a very limited way. One deposit should be considered sufficient for all the States, but it is not unreasonable to ask that the minimum amount thereof be increased to at least half a million dollars; the amount actually deposited by each company, and no greater amount, to be considered and treated as its capital in this country. And to avoid any question as to the rights and interests of the policy holders of the several States in the deposit, it should be made with the Secretary of the Treasury, or some other financial officer of the government, designated by law, for the benefit of all the policy holders in the United States of the company depositing, and should, of course, be maintained so long as the company had any liabilities in the country, absolute or contingent. This would require congressional legislation, which, doubtless, could be obtained without difficulty.

The principal features of any legislation on this subject should, in the opinion of this writer, have reference

1st. To the classes of foreign companies to be admitted, as regards their standing at home; and

2d. To the amount and place of the deposit required as a basis of admission; and

3d. To the trusteeships, defining fully and clearly the manner of the appointment and removal of the trustees, and their powers and duties, regard being had to the faithful management of the trust, and the fullest protection thereunder to the policy holders, under all circumstances.

Respectfully submitted,

A. R. MCGILL,
Insurance Commissioner.

ABSTRACTS FROM THE STATEMENTS
OF
FIRE AND MARINE INSURANCE COMPANIES
DOING BUSINESS IN THE STATE OF MINNESOTA,
SHOWING THEIR CONDITION DECEMBER 31, 1878.

ABSTRACTS FROM STATEMENTS.

ÆTNA INSURANCE COMPANY,

CONNECTICUT.

Principal Office, Hartford.

(Organized and commenced business August, 1819.)

LUCIUS J. HENDEE, President.

JOTHAM GOODNOW, Secretary.

Attorney to accept service in Minnesota, E. E. HUGHSON, St. Paul.

Paid up Capital Stock..... \$3,000,000

I. ASSETS.

Value of unincumbered real estate owned.....	\$ 365,000 00
Amount loaned on real estate security, (first liens)....	86,920 00
Interest due and accrued on bond and mortgage loans.....	1,828 83
Market value of bonds and stocks owned.....	5,476,023 69
Amount loaned on collateral security.....	4,080 00
Cash on hand and in bank.....	592,393 23
Interest due and accrued on bonds and stocks not included in market value.....	
Interest due and accrued on collateral loans and special deposits..	7,083 31
Premiums in due course of collection.....	380,818 73

Aggregate amount of all actual, available assets \$6,914,147 79

ANNUAL REPORT.

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 200,374 00
Amount required to safely re-insure all outstanding risks.....	1,617,189 85
All other demands against the company.....	51,125 00
Total liabilities, except capital and net surplus.....	\$1,868,688 85
Joint stock capital paid up in cash.....	3,000,000 00
Surplus beyond capital.....	2,045,458 94
Aggregate liabilities, including paid up capital and surplus..	\$6,914,147 79

III. INCOME, 1878.

Net cash actually received for premiums.....	\$2,486,151 48
Interest received on bonds and mortgages.....	5,337 38
Interest and dividends received from all other sources.....	343,424 99
Income from all other sources, viz.: rents.....	8,464 39
Total income.....	\$2,843,378 24

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$1,290,452 53
Cash dividends actually paid.....	600,000 00
Salaries of officers, clerks and other employes	157,830 11
Paid for commissions and brokerage.....	380,810 99
Amount paid for state, national and local taxes.....	49,430 62
All other expenditures.....	133,356 40
Aggregate cash expenditures during the year	\$2,611,880 65

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$277,580,880 00
Total premiums received from organization of company to date.	80,188,047 89
Total losses paid from organization of company to date.....	49,805,961 97

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$1,854,694 00
Amount of premiums received.....	27,105 65
Amount of losses paid.....	9,021 86
Amount of losses incurred, claimed and unclaimed.....	9,031 86

AMAZON INSURANCE COMPANY.

OHIO.

Principal office, Cincinnati, Ohio.

(Organized and commenced business October, 1871.)

GAZZAM GANO, President.

J. H. BEATTIE, Secretary.

Attorney to accept service in Minnesota, CHAS. SHANDREW, St. Paul.

Paid up Capital Stock.....	\$300,000
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I. ASSETS.

Value of unincumbered real estate owned.....	\$ 268,160 00
Amount loaned on real estate security, (first liens).....	135,077 00
Interest due and accrued on bond and mortgage loans.....	14,477 86
Market value of bonds and stocks owned.....	125,622 50
Amount loaned on collateral security.....	11,383 97
Cash on hand and in bank.....	18,857 76
Interest due and accrued on bonds and stocks not included in market value.....	1,350 00
Interest due and accrued on collateral loans.....	1,131 61
Premiums in due course of collection.....	17,126 00
Bills receivable, taken for Marine and Inland risks.....	6,654 30
All other property.....	4,573 23

Aggregate amount of all actual, available assets.....	\$604,414 23
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Items not admitted as Assets.

Accounts receivable.....	\$4,938 03
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II. LIABILITIES.

Net amount of unpaid losses.....	\$ 30,715 62
Amount required to safely re-insure all outstanding risks.....	62,696 97
All other demands against the Company.....	3,762 72

Total liabilities, except capital and net surplus.....	\$ 97,175 31
Joint stock capital paid up in cash.....	300,000 00
Surplus beyond capital.	207,238 92

Aggregate liabilities, including paid up capital and surplus.....	\$604,414 23
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III. INCOME, 1878.

Net cash actually received for premiums.....	\$ 109,994 07
Interest received on bonds and mortgages.....	19,684 86
Interest and dividends received from all other sources.....	13,899 94
Income from all other sources.....	4,804 37
Total income.....	\$ 148,383 87

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$ 79,110 78
Cash dividends actually paid.....	17,676 40
Salaries of officers, clerks and other employes.....	18,765 66
Paid for commissions and brokerage.....	21,693 19
Amount paid for State, national and local taxes.....	5,180 31
All other expenditures.....	18,107 91
Aggregate cash expenditures during the year.....	\$160,534 25

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$9,196,833 00
Total premiums received, from organization of company to date.....	4,799,380 00
Total losses paid from organization of company to date.....	2,656,395 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$277,662 00
Amount of premiums received.....	3,895 58
Amount of losses paid.....	5,687 00
Amount of losses incurred, claimed and unclaimed.....	4,463 65

AMERICAN CENTRAL INSURANCE COMPANY.

MISSOURI.

Principal Office, St. Louis, Mo.

(Organized and commenced business February, 1853.)

GEO. T. CRAM, President.

JAMES NEWMAN, Secretary.

Attorney to accept service in Minnesota, C. H. BIGELOW, St. Paul.

Paid up capital stock.....	\$300,000
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I. ASSETS.

Market value of bonds and stocks owned.....	\$736,580 00
Cash on hand and in bank.....	25,871 13
Premiums in due course of collection.....	39,662 90
Aggregate amount of all actual available assets.....	\$802,114 03

II. LIABILITIES.

Net amount of unpaid losses.....	\$68,252 42
Amount required to safely re-insure all outstanding risks.....	188,444 86
All other demands against the company.....	7,115 18
Total liabilities, except capital and net surplus.....	\$263,812 46
Joint stock capital paid up in cash.....	300,000 00
Surplus beyond capital ..	238,301 57
Aggregate liabilities, including paid up capital and surplus..	\$802,114 03

III. INCOME, 1878.

Net cash actually received for premiums.....	\$338,564 42
Interest received on bonds and mortgages.....	39,050 92
Interest and dividends received from all other sources.....	944 27
Total income.....	\$378,559 61

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$190,060 91
Cash dividends actually paid.....	40,904 25
Salaries of officers, clerks and other employes.....	31,270 39
Paid for commissions and brokerage.....	59,956 20
Amount paid for State, national and local taxes.....	8,412 82
All other expenditures.....	34,365 96
Aggregate cash expenditures during the year.....	\$364,970 53

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$27,482,112
Total premiums received, from organization of company to date..	4,495,722
Total losses paid from organization of company to date.....	2,793,766

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$740,224 00
Amount of premiums received ..	15,350 30
Amount of losses paid.....	17,845 85
Amount of losses incurred, claimed and unclaimed.....	20,728 49

AMERICAN INSURANCE COMPANY.

ILLINOIS.

Principal Office, Chicago.

(Organized and commenced business, April, 1859.)

H. Z. CULVER, President.

C. L. CURRIER, Secretary.

Attorney to accept services in Minnesota, D. G. CURRIER, Owatonna.

Paid up Capital Stock..... \$200,000

I. ASSETS.

Value of unincumbered real estate owned.....	\$ 8,000 00
Amount loaned on real estate security (first liens).....	368,204 84
Interest due and accrued on bond and mortgage loans.....	7,424 74
Market value of bonds and stocks owned.....	50,760 00
Amount loaned on collateral security, less deduction.....	273,445 33
Cash on hand and in bank.....	46,908 98
Interest due and accrued on bonds and stocks not included in market value.....	548 33
Interest due and accrued on collateral loans.....	5,254 84
Premiums in due course of collection.....	27,160 17
Aggregate amount of all actual, available assets.....	<u>\$787,707 23</u>

Items not admitted as Assets.

Personal property.....	\$ 4,133 57
Agency accounts.....	5,960 84
Collection accounts.....	80,404 26
Bills receivable.....	7,726 72
Amount loaned on collaterals in excess of securities.....	26,831 00
Total.....	<u>\$125,056 39</u>

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 58,928 14
Amount required to safely re-insure all outstanding risks.....	343,410 75
All other demands against the company.....	8,038 60
Total liabilities, except capital and net surplus.....	<u>\$410,377 49</u>
Joint stock capital paid up in cash.....	200,000 00
Surplus beyond capital.....	177,329 74
Aggregate liabilities, including paid up capital and surplus.....	<u>\$787,707 23</u>

III. INCOME, 1878.

Net cash actually received for premiums.....	\$602,203 99
Interest received on bonds and mortgages.....	23,257 18
Interest and dividends received from all other sources.....	23,889 34
Income from all other sources.....	105 77
Total income.....	<u>\$649,456 28</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$242,545 22
Cash dividends actually paid.....	100,000 00
Salaries of officers, clerks and other employes.....	75,744 45
Paid for commissions and brokerage.....	94,831 69
Amount paid for state, national and local taxes.....	15,495 01
All other expenditures.....	53,656 66
Aggregate cash expenditures during the year.....	<u>\$582,273 03</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$125,937,638 00
Total premiums received, from organization of company to date.	4,832,256 00
Total losses paid from organization of company to date.....	1,732,185 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$2,737,202 00
Amount of premiums received.....	15,112 24
Amount of losses paid.....	5,257 99
Amount of losses incurred, claimed and unclaimed.....	4,827 16

AMERICAN FIRE INSURANCE COMPANY.

PENNSYLVANIA.

Principal office, Philadelphia.

(Organized and commenced business, March, 1810.)

THOMAS R. MARIS, President. A. C. L. CRAWFORD, Secretary.

Attorney to accept service in Minnesota, GEO. W. LAMSON, St. Paul.

Paid up Capital Stock..... \$400,000 00

I. ASSETS.

Value of unincumbered real estate owned.....	\$135,100 00
Amount loaned on real estate security, (first liens).....	410,439 50
Interest due and accrued on bond and mortgage loans.	9,366 30
Market value of bonds and stocks owned.....	623,903 75
Amount loaned on collateral security.....	43,158 66
Cash on hand and in bank.....	96,288 32
Interest due and accrued on bonds and stocks not included in market value.....	4,602 75
Interest due and accrued on collateral loans.....	547 11
Premiums in due course of collection.....	8,219 05
Rents.....	266 36
Aggregate amount of all available, assets.....	<u>\$1,331,891 80</u>

Items not admitted as Assets.

Ground rents.....	\$31,824 17
Personal security.....	1,000 00
Total.....	<u>\$32,824 17</u>

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 12,590 13
Amount required to safely re-insure all outstanding risks.....	431,606 55
All other demands against the Company.....	4,505 63
Total liabilities, except capital and net surplus.....	<u>\$448,702 31</u>
Joint stock capital paid up in cash.	400,000 00
Surplus beyond capital.	483,189 49
Aggregate liabilities, including paid up capital and surplus.	<u>\$1,331,891 80</u>

III. INCOME, 1878.

Net cash actually received for premiums.....	\$ 300,842 64
Interest received on bonds and mortgages.....	25,058 00
Interest and dividends received from all other sources.....	38,121 62
Income from all other sources.....	4,754 55
Total income.....	<u>\$368,776 81</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$117,449 33
Cash dividends actually paid.....	39,740 00
Salaries of officers, clerks and other employes.....	85,305 80
Paid for commissions and brokerage.....	72 37
Amount paid for State, national and local taxes.....	11,361 95
All other expenditures.....	4,208 57
Aggregate cash expenditure during the year.....	<u>\$258,138 02</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$29,748,578 00
Total premiums received, from organization of company to date.	6,221,687 00
Total premiums paid from organization of company to date.....	4,049,456 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$ 453,556 00
Amount of premiums received.....	6,516 87
Amount of losses paid.....	8,919 95
Amount of losses incurred, claimed and unclaimed.....	8,075 80

ATLANTIC INSURANCE COMPANY.

NEW YORK.

Principal Office, New York City.

(Organized and commenced business, January, 1872.)

JOHN D. COCKS, President.

W. D. CORNELL, Secretary.

Attorney to accept services in Minnesota, H. L. Moss, St. Paul.

Paid up Capital Stock.....	\$200,000 00
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I. ASSETS.

Amount loaned on real estate security.....	\$ 86,500 00
Interest due and accrued on bond and mortgage loans	1,055 01
Market value of bonds and stocks owned.....	225,287 50
Amount loaned on collateral security... ..	20,350 00
Cash on hand and in bank.....	46,368 74
Interest due and accrued on collateral loans.....	147 87
Premiums in due course of collection.....	16,881 09
Aggregate amount of all actual, available assets.....	\$396,590 21

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 49,915 10
Amount required to safely re-insure all outstanding risks.....	106,961 31
All other demands against the company.....	2,168 62
<hr/>	
Total liabilities, except capital and net surplus.....	\$159,045 03
Joint stock capital paid up in cash	200,000 00
Surplus beyond capital.....	37,545 18
<hr/>	
Aggregate liabilities, including paid up capital and surplus..	\$396,590 21

III. INCOME, 1878.

Net cash actually received for premiums.....	\$279,978 13
Interest received on bonds and mortgages.....	6,071 23
Interest and dividends received from all other sources.....	13,538 60
<hr/>	
Total income.....	\$299,587 96

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$216,094 45
Cash dividends actually paid.....	20,000 00
Salaries of officers, clerks and other employes.....	23,919 24
Paid for commissions and brokerage.....	42,781 73
Amount paid for state, national and local taxes.....	8,623 42
All other expenditures.....	23,514 64
<hr/>	
Aggregate cash expenditures during the year.....	\$334,933 48

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$21,717,076 00
Total premiums received from organization of company to date..	2,340,244 00
Total losses paid from organization of company to date.....	1,269,403 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$289,860 00
Amount of premiums received.....	4,853 18
Amount of losses paid.....	11,695 01
Amount of losses incurred, claimed and unclaimed.....	13,042 01

ATLANTIC F. & M. INSURANCE COMPANY.

RHODE ISLAND.

Principal Office, Providence.

(Organized and commenced business, June, 1852.)

J. S. PARISH, President.

T. W. HAYWARD, JR., Secretary.

Attorney to accept service in Minnesota, I. F. A. STUDDART, St. Paul.

Paid up Capital Stock.....	\$200,000 00
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I. ASSETS.

Value of unincumbered real estate owned.....	\$152,280 26
Market value of bonds and stocks owned.....	85,351 00
Cash on hand and in bank.....	4,780 69
Interest due and accrued on bonds and stocks not included in market value.....	
Interest due and accrued on collateral loans.....	
Premiums in due course of collection.....	7,141 93
Bills receivable, taken for marine and inland risks.....	
All other property, viz.: rents due and accrued.....	4,468 58
Aggregate amount of all actual, available assets.....	<u>\$254,022 46</u>

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 17,477 75
Amount required to safely re-insure all outstanding risks.....	25,423 84
All other demands against the company.....	5,238 55
Total liabilities, except capital and net surplus.....	<u>\$ 48,139 64</u>
Joint stock capital paid up in cash.....	200,000 00
Surplus beyond capital.....	5,882 82
Aggregate liabilities, including paid up capital and surplus.....	<u>\$254,022 46</u>

III. INCOME, 1878.

Net cash actually received for premiums.....	\$41,570 40
Interest and dividends received from all other sources.....	4,435 54
Income from all other sources, viz.: rents.....	9,499 07
Total income.....	<u>\$55,505 01</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$29,093 25
Cash dividends actually paid.....	45 00
Salaries of officers, clerks, other employes, and office and agency expenses..	11,837 32
Paid for commissions and brokerage.....	7,275 90
Amount paid for state, national and local taxes.....	2,494 10
All other expenditures, viz.: real estate expenses.....	4,111 67
Aggregate cash expenditures during the year.....	<u>\$54,957 24</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$3,780,877 00
Total premiums received, from organization of company to date..	2,960,829 00
Total losses paid from organization of company to date.....	2,279,071 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$ 86,239 00
Amount of premiums received.....	1,164 61
Amount of losses paid.....	2,286 91
Amount of losses incurred, claimed and unclaimed.....	2,911 91

BOYLSTON MUTUAL INSURANCE COMPANY.

MASSACHUSETTS.

Principal office, Boston, Mass.

(Organized and commenced business, January, 1873.)

J. W. BALCH, President.

W. GLOVER, Secretary.

Attorney to accept service in Minnesota, J. J. WATSON, St. Paul.

Paid up Capital Stock.....	\$557,200
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I. ASSETS.

Value of unincumbered real estate.....	\$ 18,000 00
Amount loaned on real estate security.....	235,161 23
Interest due and accrued on bond and mortgage loans.....	8,759 11
Market value of bonds and stocks owned.....	462,565 00
Amount loaned on collateral security.....	20,875 00
Cash on hand and in bank.....	85,219 86
Interest due and accrued on bonds and stocks not included in market value.....	506 00
Premiums in due course of collection.....	6,985 06
Bills receivable, taken for marine and inland risks.....	60,681 18
All other property, viz: Due from other companies.....	3,872 11
Aggregate amount of all actual, available assets.....	<u>\$902,624 55</u>

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 44,000 00
Amount required to safely re-insure all outstanding risks.....	158,364 05
All other demands against the Company.....	8,143 82
Total liabilities, except capital and net surplus.....	<u>\$210,507 87</u>
Joint stock capital paid up in cash.....	557,200 00
Surplus beyond capital.....	134,916 68
Aggregate liabilities, including paid up capital and surplus.....	<u>\$902,624 55</u>

III. INCOME.

Net cash actually received for premiums.....	} \$207,607 32
Interest received on bonds and mortgages.....	
Income from all other sources.....	
Total income.....	<u>\$250,572 76</u>

IV. EXPENDITURES 1878.

Net amount paid for losses.....	\$171,956 30
Cash dividends actually paid, and interest to scripholders... ..	71,034 60
Salaries of officers, clerks and other employes.....	22,700 00
Paid for commissions and brokerage.....	10,024 55
Amount paid for State, notional and local taxes.....	6,640 55
All other expenditures.....	9,825 79
Aggregate cash expenditures for the year.....	<u>\$292,181 79</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$22,331,290 00
Total premiums received, from organization of company to date.....	2,188,813 00
Total losses paid from organization of company to date.....	1,187,388 00

BUFFALO INSURANCE COMPANY.

NEW YORK.

Principal Office, Buffalo, N. Y.

(Organized and commenced business, July, 1874.

P. P. PRATT, President.

E. B. SMITH, Secretary.

Attorney to accept service in Minnesota, ISAAC MCNAIR, Minneapolis.

Paid up Capital Stock.....	\$200,000 00
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I. ASSETS.

Market value of bonds and stocks owned.....	214,000 00
Cash on hand and in bank.....	64,234 11
Interest due and accrued on bonds and stocks not included in market value.....	1,666 67
Premiums in due course of collection.....	7,082 08
Bills receivable, taken for Marine and Inland risks	6,984 95
All other property	775 60
Aggregate amount of all actual, available assets.....	\$294,743 41

Items not admitted as Assets.

Ledger accounts.....	1,274 39
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II. LIABILITIES.

Net amount of unpaid losses.....	11,560 90
Amount required to safely re-insure all outstanding risks.....	39,820 85
Total liabilities, except capital and net surplus.....	\$51,381 75
Joint stock capital paid up in cash.....	200,000 00
Surplus beyond capital.....	43,361 66
Aggregate liabilities, including paid up capital and surplus.	\$294,743 41

III. INCOME, 1878.

Net cash actually received for premiums	\$135,250 80
Interest and dividends received from all other sources.....	12,706 98
Income from all other sources.....	2,050 41
Total income.....	\$150,008 19

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$105,850 69
Cash dividends actually paid.....	10,000 00
Salaries of officers, clerks and other employes	5,000 00
Paid for commissions and brokerage.....	26,612 32
Amount paid for State, national and local taxes.....	3,688 66
All other expenditures, viz.....	5,394 30
Aggregate cash expenditures during the year.....	<u>\$156,545 97</u>

V. MISCELLANEOUS.

Total amount of outstanding risks December 31, 1878.....	\$7,324,933 00
Total premiums received, from organization of company to date.....	746,702 00
Total losses paid from organization of company to date.....	405,207 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$117,320 00
Amount of premiums received.....	1,530 54
Amount of losses paid.....	7,062 65
Amount of losses incurred, claimed and unclaimed.....	7,022 55

BUFFALO GERMAN INSURANCE COMPANY.

NEW YORK.

Principal Office, Buffalo.

(Organized and commenced business, February, 1867.)

PHILIP BECKER, President.

O. J. EGGERT, Secretary.

Attorney to accept service in Minnesota, M. D. MILLER, St. Paul.

Paid up Capital Stock... ..	\$200,000 00
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I. ASSETS.

Value of unincumbered real estate owned.....	\$275,000 00
Amount loaned on real estate security (first liens).....	35,200 00
Interest due and accrued on bond and mortgage loans.....	303 50
Market value of bonds and stocks owned.....	348,423 95
Amount loaned on collateral security.....	14,300 00
Cash on hand and in bank.....	50,938 00
Interest due and accrued on bonds and stocks not included in market value.....	291 66
Premiums in due course of collection.....	27,470 93
Bills receivable, taken for marine and inland risks.	2,004 39
All other property, viz.: rents due and accrued	474 50
Aggregate amount of all actual, available assets.....	<u>\$754,406 93</u>

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 16,171 16
Amount required to safely re-insure all outstanding risks.....	114,121 76
All other demands against the company.....	4,088 40
Total liabilities, except capital and net surplus.....	<u>\$134,381 32</u>
Joint stock capital paid up in cash.....	200,000 00
Surplus beyond capital.....	420,025 61
Aggregate liabilities, including paid up capital and surplus..	<u>\$754,406 93</u>

III. INCOME, 1878.

Net cash actually received for premiums.....	\$203,974 46
Interest received on bonds and mortgages.....	2,458 93
Interest and dividends received from all other sources.....	18,557 41
Income from all other sources.....	13,486 34
Total income.....	<u>\$243,477 14</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$89,618 67
Cash dividends actually paid.....	30,000 00
Salaries of officers, clerks and other employes.....	13,096 53
Paid for commissions and brokerage.....	37,065 58
Amount paid for state, national and local taxes.....	3,627 71
All other expenditures.....	18,211 27
Aggregate cash expenditure.....	<u>\$191,619 76</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878	\$22,298,684 00
Total premiums received, from organization of company to date.	1,732,234 00
Total losses paid from organization of company to date.....	691,629 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$92,100 00
Amount of premiums received.....	1,122 37

COMMERCIAL FIRE INSURANCE COMPANY.

NEW YORK.

Principal office, New York City.

(Organized and commenced business, May, 1850.)

M. V. B. FOWLER, President.

D. QUACKINBUSH, Secretary.

Attorney to accept service in Minnesota, M. D. MILLER, St. Paul.

Paid up Capital Stock.....	\$200,000
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I. ASSETS.

Amount loaned on real estate security, (first liens).....	\$ 69,450 40
Interest due and accrued on bond and mortgage loans.....	692 89
Market value of bonds and stocks owned.....	367,967 50
Amount loaned on collateral security.....	4,900 00
Cash on hand and in bank.....	25,740 64
Interest due and accrued on bonds and stocks not included in market value.....	1,699 99
Interest due and accrued on collateral loans.....	44 12
Premiums in due course of collection.....	40,194 71
Aggregate amount of all actual, available Assets.....	\$510,689 85

II. LIABILITIES.

Net amount of unpaid losses.....	13,842 58
Amount required to safely re-insure all outstanding risks.....	119,219 74
All other demands against the Company.....	7,054 28
Total liabilities, except capital and net surplus.....	\$140,116 60
Joint stock capital paid up in cash.....	200,000 00
Surplus beyond capital.....	170,573 25
Aggregate liabilities, including paid up capital and surplus.....	\$510,689 85

III. INCOME, 1878.

Net cash actually received for premiums.....	235,116 52
Interest received on bonds and mortgages, and all other sources.....	24,393 20
Total income.....	\$309,509 72

IV. EXPENDITURES, 1878.

Net amount paid for losses	\$150,949 92
Cash dividends actually paid.....	35,846 00
Salaries of officers, clerks, and other employes.....	18,500 00
Paid for commissions and brokerage.....	59,503 06
Amount paid for State, national and local taxes.....	1,400 74
All other expenditures, viz.....	18,332 70
Aggregate cash expenditures during the year....	<u>\$284,532 42</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$35,172,217
Total premiums received, from organization of company to date	3,570,521
Total losses paid from organization of company to date.....	1,920,594

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$143,375 00
Amount of premiums received.....	1,527 60

COMMONWEALTH INSURANCE COMPANY.

MASSACHUSETTS.

Principal Office, Boston.

(Organized and commenced business, May, 1875.)

JOHN HITCHCOCK, President.

SAMUEL APPLETON, Secretary.

Attorney to accept service in Minnesota, J. J. WATSON, St. Paul.

Paid up Capital Stock.....	\$500,000 00
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I. ASSETS.

Amount loaned on real estate security (first liens).....	\$210,150 00
Interest due and accrued on bond and mortgage loans.....	2,976 57
Market value of bonds and stocks owned.....	341,998 25
Amount loaned on collateral security.....	62,000 00
Cash on hand and in bank.....	12,274 46
Interest due and accrued on bonds and stocks not included in market value.....	1,689 59
Interest due and accrued on collateral loans.....	937 14
Premiums in due course of collection.....	22,765 50
Aggregate amount of all actual, available assets.....	\$654,791 51

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 10,138 06
Amount required to safely re-insure all outstanding risks.....	131,406 33
Total liabilities, except capital and net surplus.....	\$141,544 39
Joint stock capital paid up in cash.....	500,000 00
Surplus beyond capital.....	13,247 12
Aggregate liabilities, including paid up capital and surplus.....	\$654,791 51

III. INCOME, 1878.

Net cash actually received for premiums.....	\$220,595 87
Interest and dividends received from all other sources.....	28,857 72
Total income.....	\$249,453 59

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$96,164 40
Cash dividends actually paid.....	25,000 00
Salaries of officers, clerks and other employes.....	19,417 00
Paid for commissions and brokerage.....	39,218 79
Amount paid for state, national and local taxes.....	8,618 34
All other expenditures.....	19,117 16
Aggregate cash expenditures during the year.....	\$207,535 69

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.	\$22,236,075 00
Total premiums received, from organization of company to date.....	688,625 00
Total losses paid from organization of company to date.....	230,569 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$208,805 00
Amount of premiums received.....	3,291 05
Amount of losses paid.....	4,238 21
Amount of losses incurred, claimed and unclaimed.....	4,238 21

CONNECTICUT FIRE INSURANCE COMPANY.

CONNECTICUT.

Principal Office, Hartford.

(Organized and commenced business, July, 1850.)

M. BENNET, JR., President.

CHARLES R. BURT, Secretary.

Attorney to accept service in Minnesota, H. L. Moss, St. Paul.

 Paid up Capital Stock..... \$1,000,000 00

I. ASSETS.

Amount loaned on real estate security (first liens).....	\$ 156,200 00
Market value of bonds and stocks owned.....	1,090,895 00
Amount loaned on collateral security.....	25,650 25
Amount loaned on collateral security.....	25,650 25
Cash on hand and in bank.....	125,754 94
Premiums in due course of collection.....	42,665 22



 Aggregate amount of all actual, available assets..... \$1,441,165 41

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 42,375 00
Amount required to safely re-insure all outstanding risks.....	217,846 70

Total liabilities, except capital and net surplus.....	\$ 260,221 70
Joint stock capital paid up in cash.....	1,000,000 00
Surplus beyond capital.....	180,943 65

 Aggregate liabilities, including paid up capital and surplus. \$1,441,165 41

III. INCOME, 1878.

Net cash actually received for premiums.....	\$342,328 25
Interest received on bonds and mortgages.....	} 76,012 20
Interest and dividends received from all other sources.....	
Total income.....	\$418,340 45

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$151,808 20
Cash dividends actually paid.....	100,000 00
Salaries of officers, clerks and other employes.....	22,079 19
Paid for commissions and brokerage.....	57,929 44
Amount paid for state, national and local taxes	8,042 73
All other expenditures.....	20,785 30
Aggregate cash expenditures during the year.....	<u>\$360,644 86</u>

V. MISCELLANEOUS.

Total amount of outstanding risks, Dec. 31, 1878.....	\$37,042,514 00
Total premiums received, from organization of company to date.	2,382,308 00
Total losses paid from organization of company to date.....	1,103,921 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken	\$498,087 00
Amount of premiums received	5,983 10
Amount of losses paid.....	3,090 84
Amount of losses incurred claimed and unclaimed... ..	6,778 43

CONTINENTAL INSURANCE COMPANY.

NEW YORK.

Principal office, New York City.

(Organized and commenced business, January, 1853.)

GEORGE T. HOPE, President.

CYRUS PECK, Secretary.

Attorney to accept service in Minnesota, A. R. MCGILL, St. Paul.

Paid up Capital Stock..... \$1,000,000 00

I. ASSETS.

Value of unincumbered real estate owned.....	\$690,000 00
Amount loaned on real estate security, (first liens.).....	603,750 00
Interest due and accrued on bond and mortgage loans.....	17,763 69
Market value of bonds and stocks owned.....	1,404,924 50
Amount loaned on collateral security.....	289,510 00
Cash on hand and in bank.....	160,793 08
Interest due and accrued on collateral loans.....	2,545 93
Premiums in due course of collection.....	142,984 54
All other property, viz.: rents due and accrued.....	15,500 00

Aggregate amount of all actual, available assets..... \$3,327,771 74

II. LIABILITIES.

Net amount of unpaid losses.....	173,973 39
Amount required to safely re-insure all outstanding risks.....	1,060,384 21
All other demands against the company	54,991 87

Total liabilities, except capital and net surplus.....	\$1,289,349 47
Joint stock capital paid up in cash.....	1,000,000 00
Surplus beyond capital.....	1,038,422 27

Aggregate liabilities, including paid up capital and surplus. \$3,327,771 74

III. INCOME, 1878.

Net cash actually received for premiums.....	\$1,493,012 42
Interest received on bonds and mortgages.....	43,761 43
Interest and dividends received from all other sources.....	92,114 82
Income from all other sources.....	35,529 34

Total income..... \$1,664,418 01

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$675,506 88
Cash dividends actually paid.....	134,998 11
Salaries of officers, clerks and other employes.....	191,534 53
Paid for commissions and brokerage.....	254,591 17
Amount paid for State, national and local taxes.....	33,859 72
All other expenditures.....	155,892 23

Aggregate cash expenditures during the year..... \$1,446,382 64

V. MISCELLANEOUS.

Total amount of outstanding risks, Dec. 31, 1878.....	\$258,260,875 00
Total premiums received, from organization of company to date.	19,004,567 00
Total losses paid from organization of company to date.....	10,118,110 00

VI. BUSINESS IN MINNESOTA, 1878

Amount of risks taken.....	\$3,487,320 00
Amount of premiums received.....	50,142 80
Amount of losses paid.....	17,398 43
Amount of losses incurred, claimed, and unclaimed.....	23,520 64

DETROIT F. & M. INSURANCE COMPANY.

MICHIGAN.

Principal Office, Detroit.

[Organized and commenced business March, 1866.]

C. VAN. HUSAN, President.

J. J. CLARK, Secretary.

Paid up capital stock.....	\$250,000 00
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I. ASSETS.

Value of unincumbered real estate owned.....	\$49,899 44
Amount loaned on real estate security.....	353,397 73
Interest due and accrued on bond and mortgage loans.....	16,775 27
Market value of bonds and stock owned.....	33,375 00
Amount loaned on collateral security.....	7,500 00
Cash on hand and in bank.....	34,190 60
Interest due and accrued on bonds and stocks not included in market value.....	138 75
Interest due and accrued on collateral loans.....	407 26
Premiums in due course of collection.....	9,489 64
Bills receivable, taken for marine and inland risks.....	5,498 50
All other property, viz: Salvage and rents.....	2,220 70
Aggregate amount of all actual available assets.....	\$512,892 89

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 4,458 39
Amount required to safely re insure all outstanding risks	56,278 53
All other demands against the company.....	1,210 75
Total liabilities, except capital and net surplus.....	\$ 61,947 67
Joint stock capital paid up in cash.....	250,000 00
Surplus beyond capital	200,945 22
Aggregate liabilities, including paid up capital and surplus.	\$512,892 89

III. INCOME, 1878.

Net cash actually received for premiums	\$107,499 17
Interest received on bonds and mortgages.....	31,842 72
Interest and dividends received from all other sources.....	4,406 46
Income from all other sources.....	2,349 10
Total income.....	<u>\$146,097 45</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$48,175 09
Cash dividends actually paid.....	25,000 00
Salaries of officers, clerks and other employes.....	12,739 33
Paid for commissions and brokerage.....	12,480 58
Amount paid for state, national and local taxes.....	3,943 94
All other expenditures.....	8,829 11
Charged to profit and loss.....	19,957 92
Aggregate cash expenditures during the year.....	<u>\$131,125 97</u>

V. MISCELLANEOUS.

Total amount of outstanding risks, Dec. 31, 1878.....	\$10,035,216 00
Total premiums received, from organization of company to date..	2,173,364 00
Total losses paid from organization of company to date.....	1,253,232 00

EQUITABLE F. & M. INSURANCE COMPANY.

RHODE ISLAND.

Principal office, Providence, R. I.

(Organized and commenced business, September, 1860.)

F. W. ARNOLD, President.

J. E. TILLINGHAST, Secretary.

Attorney to accept service in Minnesota, I. F. A. STUDDART, St. Paul.

Paid up Capital Stock.....	\$200,000 00
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I. ASSETS.

Value of unincumbered real estate owned.....	\$115,000 00
Amount loaned on real estate security, (first liens.).....	15,000 00
Market value of bonds and stocks owned.....	180,625 00
Amount loaned on collateral security..	1,000 00
Cash on hand and in bank.....	11,453 69
Premiums in due course of collection.....	8,271 14
All other property, viz.: rents due and accrued.....	2,925 00
Aggregate amount of all actual, available assets.....	<u>\$334,274 83</u>

II. LIABILITIES.

Net amount of unpaid losses.....	\$10,806 00
Amount required to safely re-insure all outstanding risks.....	51,457 92
All other demands against the company, viz.....	3,205 30
Total liabilities, except capital and net surplus.....	<u>65,469 22</u>
Joint stock capital paid up in cash.....	200,000 00
Surplus beyond capital.....	68,815 61
Aggregate liabilities, including paid up capital and surplus.....	<u>\$334,274 83</u>

III. INCOME, 1878.

Net cash actually received for premiums.....	\$87,655 65
Interest received on bonds and mortgages.....	525 00
Interest and dividends received from all other sources.....	11,420 92
Income from all other sources, viz.....	7,847 83
Total income.....	<u>\$107,449 40</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$52,930 78
Cash dividends actually paid.....	21,844 90
Salaries of officers, clerks and other employes, and office expenses	14,335 45
Paid for commissions and brokerage.....	15,546 87
Amount paid for state, national and local taxes.....	4,925 93
All other expenditures.....	2,886 18
Aggregate cash expenditures during the year.....	<u>\$112,970 11</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$9,025,881 00
Total premiums received, from organization of company to date.	1,503,855 00
Total losses paid from organization of company to date.....	1,145,038 00

BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$86,239 00
Amount of premiums received.....	1,164 61
Amount of losses paid.....	2,286 91
Amount of losses incurred, claimed and unclaimed.....	2,911 91

FAIRFIELD INSURANCE COMPANY.

CONNECTICUT.

Principal Office, South Norwalk.

(Organized and commenced business, May, 1870.)

W. S. HANFORD, President.

H. R. TURNER, Secretary.

Attorney to accept service in Minnesota, J. S. PRINCE, St. Paul.

Paid up Capital Stock..... \$200,000 00

I. ASSETS.

Value of unincumbered real estate owned	\$ 56,035 55
Amount loaned on real estate security (first liens).....	105,477 20
Interest due and accrued on bond and mortgage loans.....	6,034 15
Market value of bonds and stocks owned.....	83,957 50
Amount loaned on collateral security.....	11,824 45
Cash on hand and in bank.....	22,959 95
Interest due and accrued on bonds and stocks not included in market value.....	1,720 17
Interest due and accrued on collateral loans.....	950 21
Premiums in due course of collection.....	23,114 82
All other property.....	4,808 92
Aggregate amount of all actual, available assets.....	\$316,882 92

II. LIABILITIES.

Net amount of unpaid losses.....	\$12,998 65
Amount required to safely re-insure all outstanding risks.....	64,916 43
All other demands against the company.....	5,507 33
Total liabilities, except capital and net surplus.....	\$83,422 41
Joint stock capital paid up in cash.....	200,000 00
Surplus beyond capital.....	33,460 51
Aggregate liabilities, including paid up capital and surplus.	\$316,882 92

III. INCOME, 1878.

Net cash actually received for premiums.....	\$133,269 26
Interest received on bonds and mortgages.....	7,526 03
Interest and dividends received from all other sources	5,032 23
Income from all other sources.....	2,788 13
Total income.....	<u>\$148,615 65</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$72,130 56
Cash dividends actually paid.....	18,000 00
Salaries of officers, clerks and other employes.....	11,290 67
Paid for commissions and brokerage.....	23,198 18
Amount paid for state, national and local taxes.....	2,796 26
All other expenditures.....	12,978 43
Aggregate cash expenditures during the year.....	<u>\$140,394 19</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$14,290,538 00
Total premiums received, from organization of company to date.	1,130,778 00
Total losses paid from organization of company to date.....	664,354 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$64,395 00
Amount of premiums received.....	1,087 83
Amount of losses paid.....	2,550 00
Amount of losses incurred, claimed and unclaimed.....	2,550 00

FANEUIL HALL INSURANCE COMPANY.

MASSACHUSETTS.

Principal Office, Boston.

(Organized and commenced business, March, 1872.)

K. S. CHAFFEE, President.

H. D. BRADBURY, Secretary.

Attorney to accept service in Minnesota, A. R. Mc HILL, St. Paul.

Paid up Capital Stock.....	\$300,000 00
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I. ASSETS.

Value of unincumbered real estate owned.....	\$ 71,160 00
Amount loaned on real estate security.....	98,500 00
Interest due and accrued on bond and mortgage loans.....	3,386 14
Market value of bonds and stocks owned.....	264,538 76
Amount loaned on collateral security.....	11,000 00
Cash on hand and in bank.....	27,803 08
Interest due and accrued on bonds and stocks not included in market value.....	2,127 49
Interest due and accrued on collateral loans.....	162 16
Premiums in due course of collection.....	38,076 79
Bills receivable, taken for marine and inland risks.....	2,988 22
All other property, viz.: rents due and accrued.....	200 00
Aggregate amount of all actual, available assets.....	<u>\$519,942 64</u>

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 25,046 59
Amount required to safely re-insure all outstanding risks.....	158,785 75
All other demands against the company.....	5,018 45
Total liabilities, except capital and net surplus.....	<u>\$188,850 79</u>
Joint stock capital paid up in cash.....	300,000 00
Surplus beyond capital.....	31,091 85
Aggregate liabilities, including paid up capital and surplus.....	<u>\$519,942 64</u>

III. INCOME, 1878.

Net cash actually received for premiums.....	\$250,585 50
Interest received on bonds and mortgages.....	20,377 03
Income from all other sources.....	1,817 53
Total income.....	<u>\$272,780 06</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$136,441 86
Salaries of officers, clerks and other employes.....	8,897 6
Paid for commissions and brokerage.....	54,357 94
Amount paid for state, national and local taxes.....	5,770 49
All other expenditures.....	34,627 42
Aggregate cash expenditures during the year.....	<u>\$240,095 34</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$22,440,811 00
Total premiums received, from organization of company to date.....	1,319,360 00
Total losses paid from organization of company to date.....	711,747 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$139,830 00
Amount of premiums received.....	2,772 15
Amount of losses paid.....	4,846 15
Amount of losses incurred, claimed and unclaimed.....	4,846 15

FARRAGUT FIRE INSURANCE COMPANY.

NEW YORK.

Principal Office, New York City.

(Organized and commenced business, January, 1872.)

J. M. FURMAN, President.

SAMUEL DARBEE, Secretary.

Attorney to accept service in Minnesota, E. M. CHRISTIAN, Minneapolis.

Paid up Capital Stock.....	\$200,000 00
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I. ASSETS.

Value of unincumbered real estate owned.....	\$ 43,020 96
Amount loaned on real estate security.....	25,500 00
Interest due and accrued on bond and mortgage loans.....	472 50
Market value of bonds and stocks owned	283,081 25
Amount loaned on collateral security.....	59,500 00
Cash on hand and in bank.....	9,058 29
Interest due and accrued on collateral loans	1,020 56
Premiums in due course of collection.....	7,909 10
All other property, viz.: rents due and accrued.....	271 67

Aggregate amount of all actual, available assets.....	\$429,834 33
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Items not Admitted as Assets.

Office furniture, safes and fixtures.....	\$4,000 00
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II. LIABILITIES.

Net amount of unpaid losses.....	\$ 399 73
Amount required to safely re-insure all outstanding risks.....	62,364 09
All other demands against the company.....	6,002 73
Total liabilities, except capital and net surplus.....	\$ 68,766 55
Joint stock capital paid up in cash.	200,000 00
Surplus beyond capital.....	161,067 78
Aggregate liabilities, including paid up capital and surplus..	\$429,834 33

III. INCOME, 1878.

Net cash actually received for premiums.....	\$115,029 65
Interest received on bonds and mortgages.....	2,849 14
Interest and dividends received from all other sources.....	16,632 11
Income from all other sources.....	2,275 01
Total income	\$136,785 91

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$38,184 50
Cash dividends actually paid.....	30,000 00
Salaries of clerks, officers and other employes.....	21,800 00
Paid for commissions and brokerage	16,850 17
Amount paid for state, national and local taxes.....	1,687 87
All other expenditures.....	23,059 16
Aggregate cash expenditures during the year.....	\$131,581 70

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$24,955,185 00
Total premiums received, from organization of company to date.....	947,842 00
Total losses paid from organization of company to date.....	285,463 00

FIRE ASSOCIATION.

PENNSYLVANIA.

Principal Office, Philadelphia.

(Organized and commenced business, March, 1820.)

WM. T. BUTLER, President.

J. H. LEX, Secretary.

Attorney to accept service in Minnesota, E. B. AMES, Minneapolis.

Paid up Capital Stock	\$500,000 00
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I. ASSETS.

Value of unincumbered real estate owned.	\$ 78,920 70
Amount loaned on real estate security (first liens).....	1,264,045 10
Interest due and accrued on bond and mortgage loans.....	18,387 12
Market value of bonds and stocks owned.....	1,552,321 33
Cash on hand and in bank.....	199,724 67
Interest due and accrued on bonds and stocks not included in market value.....	7,875 00
Premiums in due course of collection	107,782 41
Aggregate amount of all actual, available assets.....	\$3,229,056 33

Items not Admitted as Assets.

Company's own stock	\$550,750 00
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II. LIABILITIES.

Net amount of unpaid losses.....	\$ 90,109 26
Amount required to safely re-insure all outstanding risks... ..	2,181,998 50
All other demands against the company.....	34,622 38
Total liabilities, except capital and net surplus....	\$2,306,730 14
Joint stock capital paid up in cash.....	500,000 00
Surplus beyond capital.....	422,326 19
Aggregate liabilities, including paid up capital and surplus.	\$3,229,056 33

III. INCOME, 1878.

Net cash actually received for premiums.....	\$1,083,405 29
Interest received on bonds and mortgages.....	115,443 63
Interest and dividends received from all other sources	68,006 00
Income from all other sources.....	7,415 00
Total income.....	\$1,274,269 92

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$605,873 95
Cash dividends actually paid.....	200,000 00
Salaries of officers, clerks and other employes.....	49,538 33
Paid for commissions and brokerage.....	251,370 71
Amount paid for state, national and local taxes.....	41,438 64
All other expenditures.....	15,868 27
Aggregate cash expenditure during the year.....	\$1,164,089 90

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$169,070,653 00
Total premiums received, from organization of company to date.	8,826,025 00
Total losses paid from organization of company to date.....	3,615,199 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$869,424 00
Amount of premiums received.....	12,760 62
Amount of losses paid.....	16,239 24
Amount of losses incurred, claimed and unclaimed.....	18,349 75

FIREMAN'S FUND INSURANCE COMPANY.

CALIFORNIA.

Principal Office, San Francisco.

(Organized and commenced business, June, 1863.)

D. J. STAPLES, President.

G. D. DORNIN, Secretary.

Attorney to accept service in Minnesota, E. B. AMES, Minneapolis.

Paid up Capital Stock..... \$300,000 00

I. ASSETS.

Value of unincumbered real estate owned.....	\$200,000 00
Amount loaned on real estate security (first liens).....	181,200 00
Interest due and accrued on bond and mortgage loans.....	619 49
Market value of bonds and stocks owned.....	208,032 50
Amount loaned on collateral security.....	44,870 00
Cash on hand and in bank.....	45,343 55
Interest due and accrued on bonds and stocks not included in market value.....	1,597 09
Interest due and accrued on collateral loans.....	357 09
Premiums in due course of collection.....	51,459 09
Bills receivable, taken for marine and inland risks.....	25,344 20
All other property, viz.: rents due and accrued, \$245; advances on real estate secured by original mortgages, \$2,153.09.....	2,398 09
Aggregate amount of all actual, available assets.....	\$761,221 10

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 25,246 80
Amount required to safely re-insure all outstanding risks	286,883 35
All other demands against the company.....	5,073 20
Total liabilities, except capital and net surplus.....	\$317,203 35
Joint stock capital paid up in cash.....	300,000 00
Surplus beyond capital.....	144,017 75
Aggregate liabilities, including paid up capital and surplus.	\$761,221 10

III. INCOME, 1878.

Net cash actually received for premiums.....	\$509,404 45
Interest received on bonds and mortgages.....	21,734 07
Interest and dividends received from all other sources.	8,914 00
Income from all other sources.....	17,296 26
Total income	\$557,348 78

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$265,198 11
Cash dividends actually paid.....	65,822 00
Salaries of officers, clerks and other employes.....	36,908 35
Paid for commissions and brokerage.....	61,397 25
Amount paid for state, national and local taxes.....	10,535 16
All other expenditures	70,907 95
Aggregate cash expenditures during the year.....	\$510,768 82

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$35,449,467 00
Total premiums received, from organization of company to date.	5,534,806 09
Total losses paid from organization of company to date.....	3,630,435 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$659,518 00
Amount of premiums received.....	10,220 04
Amount of losses paid.....	11,459 70
Amount of losses incurred, claimed and unclaimed.....	11,459 70

FRANKLIN FIRE INSURANCE COMPANY.

PENNSYLVANIA.

Principal Office, Philadelphia.

(Organized and commenced business, June, 1828.)

ALFRED G. BAKER, President.

E. T. CRESSON, Secretary.

Attorney to accept service in Minnesota, J. H. WEED. St. Paul.

Paid up Capital Stock..... \$400,000 00

I. ASSETS.

Value of unincumbered real estate owned.....	\$ 376,400 00
Amount loaned on real estate security (first liens)	2,150,769 17
Interest due and accrued on bond and mortgage loans.....	42,385 75
Market value of bonds and stocks owned.....	532,750 00
Amount loaned on collateral security.....	12,375 00
Cash on hand and in bank.....	200,101 56
Interest due and accrued on bonds and stocks not included in market value.....	900 00
Interest due and accrued on collateral loans.....	185 62
Premiums in due course of collection.....	46,995 57
All other property.....	356 25
Aggregate amount of all actual, available assets.....	<u>\$3,363,218 92</u>

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 67,030 70
Amount required to safely re-insure all outstanding risks.....	1,931,362 90
All other demands against the company.....	4,349 00
Total liabilities, except capital and net surplus.....	<u>\$2,002,742 60</u>
Joint stock capital paid up in cash.....	400,000 00
Surplus beyond capital.....	960,476 32
Aggregate liabilities, including paid up capital and surplus.	<u>\$3,363,218 92</u>

III. INCOME, 1878.

Net cash actually received for premiums	\$596,825 57
Interest received on bonds and mortgages.....	136,374 81
Interest and dividends received from all other sources.....	26,649 50
Income from all other sources.....	9,591 95
Total income.....	<u>\$769,441 83</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$330,163 72
Cash dividends actually paid....	127,144 00
Salaries of officers, clerks and other employes.....	87,102 43
Paid for commissions and brokerage.....	79,634 37
Amount paid for state, national and local taxes.....	28,808 98
All other expenditures.....	<u>110,181 45</u>
Aggregate cash expenditures during the year.....	\$763,034 95

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$142,867,252 00
Total premiums received, from organization of company to date.	19,866,252 00
Total losses paid from organization of company to date.....	11,088,837 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken	\$937,393 00
Amount of premiums received.	11,823 30
Amount of losses paid.....	14,071 96
Amount of losses incurred, claimed and unclaimed.....	14,071 96

GERMAN AMERICAN INSURANCE COMPANY.

NEW YORK.

Principal Office, New York City.

(Organized and commenced business, March, 1872.)

E. OELBERMANN, President.

JAS. E. SILVEY, Secretary.

Attorney to accept service in Minnesota, C. H. BIGELOW, St. Paul.

Paid up Capital Stock..... \$1,000,000 00

ANNUAL REPORT.

I. ASSETS.

Market value of bonds and stocks owned	\$2,105,420 00
Amount loaned on collateral security.....	123,800 00
Cash on hand and in bank.....	147,338 75
Premiums in due course of collection.....	95,221 98

Aggregate amount of all actual, available assets.... \$2,471,780 73

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 76,856 99
Amount required to safely re-insure all outstanding risks.....	560,840 81
All other demands against the company.....	19,034 39
Total liabilities, except capital and net surplus.....	\$ 656,732 19
Joint stock capital paid up in cash.....	1,000,000 00
Surplus beyond capital.....	815,048 54

Aggregate liabilities, including paid up capital and surplus. \$2,471,780 73

III. INCOME, 1878.

Net cash actually received for premiums	\$904,307 19
Interest and dividends received from all other sources.....	117,465 75
Total income.....	\$1,021,772 94

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$439,555 63
Cash dividends actually paid.....	100,000 00
Salaries of officers, clerks and other employes.....	83,797 66
Paid for commissions and brokerage.....	131,937 35
Amount paid for state, national and local taxes.....	26,006 64
All other expenditures.....	95,397 52

Aggregate cash expenditures during the year..... \$876,694 80

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$118,670,207 00
Total premiums received, from organization of company to date.	6,472,805 00
Total losses paid from organization of company to date.....	2,669,126 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken	\$1,691,713 00
Amount of premiums received.....	25,696 60
Amount of losses paid	17,693 07
Amount of losses incurred, claimed and unclaimed.....	21,163 74

GERMAN INSURANCE COMPANY.

ILLINOIS.

Principal Office, Freeport.

(Organized and commenced business, October, 1866.)

M. HETTINGER, President.

FRED. GUND, Secretary.

Attorney to accept service in Minnesota, A. R. MCGILL, St. Paul.

Paid up Capital Stock.....	\$200,000 00
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I. ASSETS.

Value of unincumbered real estate.....	\$ 11,000 00
Amount loaned on real estate security (first liens).....	287,712 98
Interest due and accrued on bond and mortgage loans.....	14,782 19
Market value of bonds and stocks owned.....	59,745 65
Amount loaned on collateral security.....	1,550 00
Cash on hand and in bank.....	56,304 14
Interest due and accrued on bonds and stocks not included in market value	3,326 50
Premiums in due course of collection.....	17,104 64
Aggregate amount of all actual, available assets.....	\$451,526 10

Items not Admitted as Assets.

Office furniture, safes and fixtures.....	\$ 800 00
All notes for fire insurance premiums.....	38,049 93
Total.....	\$38,849 93

II. LIABILITIES.

Net amount of unpaid losses... ..	\$ 14,353 19
Amount required to safely re-insure all outstanding risks.....	131,659 49
All other demands against the company.....	5,226 39
Total liabilities, except capital and net surplus.....	\$151,239 07
Joint stock capital paid up in cash.....	200,000 00
Surplus beyond capital.....	100,287 03
Aggregate liabilities, including paid up capital and surplus.	\$451,526 10

III. INCOME.

Net cash actually received for premiums.....	\$169,551 33
Interest received on bonds and mortgages and bills receivable...	22,157 29
Interest received from all other sources.....	267 20
Total income.....	<u>\$191,975 82</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$68,283 26
Cash dividends actually paid.....	21,010 00
Salaries of officers, clerks and other employes.....	17,913 04
Paid for commissions and brokerage.....	43,454 64
Amount paid for state, national and local taxes.....	4,130 48
All other expenditures.....	4,857 25
Aggregate cash expenditures during the year.....	<u>\$159,648 67</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$18,732,322 00
Total premiums received, from organization of company to date.	1,132,873 00
Total losses paid from organization of company to date.....	352,326 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$426,048 00
Amount of premiums received.....	6,696 59
Amount of losses paid.....	5,210 53
Amount of losses incurred, claimed and unclaimed.....	5,210 53

GERMANIA INSURANCE COMPANY.

NEW YORK.

Principal Office, New York City.

(Organized and commenced business, March, 1859.)

R. GARRIGUE, President.

H. SCHUMANN, Secretary.

Attorney to accept service in Minnesota, E. G. HALLE, St. Paul.

Paid up Capital Stock	\$500,000 00
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I. ASSETS.

Value of unincumbered real estate owned.....	\$ 74,418 43
Amount loaned on real estate security (first liens).....	547,100 00
Interest due and accrued on bond and mortgage loans.....	16,056 00
Market value of bonds and stocks owned.....	889,132 50
Amount loaned on collateral security.....	21,500 00
Cash on hand and in bank.....	55,323 01
Interest due and accrued on bonds and stocks not included in market value.....	3,341 66
Interest due and accrued on collateral loans.....	752 50
Premiums in due course of collection.....	61,704 70
Bills receivable, taken for marine and inland risks.....	
All other property, viz.: deposited in Mississippi, \$7,500; Special Deposit U. S. Trust Co., \$2,000.....	9,500 00
Aggregate amount of all actual, available assets.....	<u>\$1,678,828 80</u>

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 57,137 88
Amount required to safely re-insure all outstanding risks.....	362,881 20
All other demands against the company.....	4,386 00
Total liabilities, except capital and net surplus.....	<u>\$424,405 08</u>
Joint stock capital paid up in cash.....	500,000 00
Surplus beyond capital.....	754,423 72
Aggregate liabilities, including paid up capital and surplus.....	<u>\$1,678,828 80</u>

III. INCOME, 1878.

Net cash actually received for premiums.....	\$571,624 92
Interest received on bonds and mortgages.....	39,143 20
Interest and dividends received from all other sources.....	52,491 02
Total income.....	<u>\$663,259 14</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$192,699 07
Cash dividends actually paid.....	110,000 00
Salaries of officers, clerks and other employes.....	76,860 67
Paid for commissions and brokerage.....	100,136 71
Amount paid for state, national and local taxes.....	16,999 96
All other expenditures.....	98,928 98
Aggregate cash expenditures during the year.....	<u>\$595,625 39</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$73,333,025 00
Total premiums received, from organization of company to date.....	10,783,104 00
Total losses paid from organization of company to date.....	5,019,930 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken	\$965,619 00
Amount of premiums received	18,880 12
Amount of losses paid	10,891 31
Amount of losses incurred, claimed and unclaimed	9,405 38

GIRARD F. & M. INSURANCE COMPANY.

PENNSYLVANIA.

Principal Office, Philadelphia.

(Organized and commenced business, May, 1853.)

ALFRED S. GILLET, President.

P. C. ROYCE, Secretary.

Attorney to accept service in Minnesota, C. H. BIGELOW, St. Paul.

Paid up Capital Stock	\$300,000 00
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I. ASSETS.

Value of unincumbered real estate owned	\$333,100 00
Amount loaned on real estate security (first liens)	352,666 65
Interest due and accrued on bond and mortgage loans	8,425 67
Market value of bonds and stocks owned	333,868 50
Amount loaned on collateral security	8,146 00
Cash on hand and in bank	59,679 24
Interest due and accrued on collateral loans	228 17
Premiums in due course of collection	24,829 85
Temporary loans secured by mortgages	4,600 00
All other property, viz.: Salvage property and claims on losses already paid; Rents due and accrued, \$2,894.37; Amount deposited for perpetual insurance on company's building, \$1,900.00	4,794 37
Aggregate amount of all actual, available assets	\$1,130,338 45

Items not Admitted as Assets.

Loans on personal security..... \$1,500 00

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 15,293 21
Amount required to safely re-insure all outstanding risks.....	278,456 87
All other demands against the company.....	8,747 86

Total liabilities, except capital and net surplus.....	\$302,497 94
Joint stock capital paid up in cash.....	300,000 00
Surplus beyond capital.....	527,840 51

Aggregate liabilities, including paid up capital and surplus.. \$1,130,338 45

III. INCOME, 1878.

Net cash actually received for premiums.....	\$264,616 37
Interest received on bonds and mortgages.....	24,911 26
Interest and dividends received from all other sources.....	20,077 79
Income from all other sources.....	11,471 28

Total income..... \$321,076 70

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$112,116 74
Cash dividends actually paid.....	60,000 00
Salaries of officers, clerks and other employes.....	32,412 00
Paid for commissions and brokerage.....	43,791 90
Amount paid for state, national and local taxes.....	22,475 00
All other expenditures.....	23,127 41

Aggregate cash expenditures during the year..... \$293,923 05

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$40,923,344 00
Total premiums received, from organization of company to date.	4,650,897 00
Total losses paid from organization of company to date.....	1,957,147 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$507,956 00
Amount of premiums received.....	6,291 21
Amount of losses paid.....	15,749 86
Amount of losses incurred, claimed and unclaimed.....	15,749 86

GLENS' FALLS INSURANCE COMPANY.

NEW YORK.

Principal Office, Glens' Falls.

(Organized and commenced business, May, 1850.)

R. M. LITTLE, President.

J. L. CUNNINGHAM, Secretary.

Attorney to accept service in Minnesota, C. H. BIGELOW, St. Paul.

Paid up Capital Stock.....	\$200,000 00
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I. ASSETS.

Value of unincumbered real estate owned.....	\$ 11,200 00
Amount loaned on real estate security.....	335,111 76
Interest due and accrued on bond and mortgage loans.....	3,543 38
Market value of bonds and stocks owned.....	453,756 25
Amount loaned on collateral security.....	10,500 00
Cash on hand in bank....	65,314 80
Interest due and accrued on collateral loans.	52 50
Premiums in due course of collection	21,356 87
Aggregate amount of all actual, available assets.....	\$900,835 56

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 19,548 81
Amount required to safely re-insure all outstanding risks.....	262,312 81
All other demands against the company.....	3,633 08
Total liabilities, except capital and net surplus.....	\$285,494 70
Joint stock capital paid up in cash.....	200,000 00
Surplus beyond capital.....	415,340 86
Aggregate liabilities, including paid up capital and surplus.	\$900,835 56

III. INCOME, 1878.

Net cash actually received for premiums.....	\$273,459 24
Interest received on bonds and mortgages.....	25,753 92
Interest and dividends received from all other sources.....	19,972 61
Income from all other sources, viz.: rents.....	339 00
Total income.....	<u>\$319,524 77</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$159,487 83
Cash dividends actually paid.....	20,000 00
Salaries of officers, clerks and other employes.....	18,426 62
Paid for commissions and brokerage.....	48,455 55
Amount paid for state, national and local taxes.....	6,368 44
All other expenditures.....	19,166 36
Aggregate cash expenditures during the year.....	<u>\$271,904 80</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$57,411,334 00
Total premiums received, from organization of company to date.	3,534,488 00
Total losses paid from organization of company to date.....	2,035,241 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$359,643 00
Amount of premiums received.....	5,992 23
Amount of losses paid.....	14,288 46
Amount of losses incurred, claimed and unclaimed.....	14,044 40

HANOVER INSURANCE COMPANY.

NEW YORK.

Principal Office, New York City.

(Organized and commenced business, April, 1852.)

B. S. WALCOTT, President.

C. L. ROE, Asst. Secretary.

Attorney to accept service in Minnesota, J. H. WEED, St. Paul.

Paid up Capital Stock.....	\$500,000 00
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I. ASSETS.

Value of unincumbered real estate owned.....	\$ 2,725 95
Amount loaned on real estate security (first liens).....	199,750 00
Interest due and accrued on bond and mortgage loans.....	1,797 71
Market value of bonds and stocks owned.....	1,282,562 50
Amount loaned on collateral security.....	44,550 00
Cash on hand and in bank.....	77,617 75
Interest due and accrued on bonds and stocks not included in market value.....	2,508 34
Interest due and accrued on collateral loans.....	148 02
Premiums in due course of collection.....	72,124 50
All other property, viz.: Salvage property and claims on losses already paid.....	12 05
Aggregate amount of all actual, available assets.....	\$1,683,796 82

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 78,981 54
Amount required to safely re-insure all outstanding risks.....	419,741 18
All other demands against the company.....	9,175 26
Total liabilities, except capital and net surplus.....	\$507,897 98
Joint stock capital paid up in cash.....	500,000 00
Surplus beyond capital.....	675,898 84
Aggregate liabilities, including paid up capital and surplus.	\$1,683,796 82

III. INCOME, 1878.

Net cash actually received for premiums.....	\$600,802 02
Interest received on bonds and mortgages.....	12,846 83
Interest and dividends received from all other sources.....	73,165 94
Total income.....	\$686,814 79

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$271,967 27
Cash dividends actually paid.....	50,000 00
Salaries of officers, clerks and other employes.....	47,910 40
Paid for commissions and brokerage.....	96,197 75
Amount paid for state, national and local taxes.....	15,605 36
All other expenditures.....	121,760 07
Aggregate cash expenditures during the year.....	\$603,440 85

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$81,791,280 00
Total premiums received, from organization of company to date.	9,476,468 00
Total losses paid from organization of company to date.....	4,923,791 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$965,619 00
Amount of premiums received.....	18,880 12
Amount of losses paid.....	10,891 31
Amount of losses incurred, claimed and unclaimed.....	9,405 38

HARTFORD FIRE INSURANCE COMPANY.

CONNECTICUT.

Principal Office, Hartford.

(Organized and commenced business August, 1810.)

GEORGE L. CHASE, President.

J. D. BROWNE, Secretary.

Attorneys to accept service in Minnesota, HUGHSON & HEMENWAY, St. Paul.

Paid up Capital Stock..... \$1,250,000 00

I. ASSETS.

Value of unincumbered real estate owned.....	\$ 614,175 60
Amount loaned on real estate security, (first liens).....	759,116 57
Interest due and accrued on bond and mortgage loans.....	30,861 63
Market value of bonds and stocks owned.....	1,418,040 00
Cash on hand and in bank.....	266,409 67
Interest due and accrued on bonds and stocks not included in market value.....	19,338 35
Premiums in due course of collection.....	240,076 70
All other property, viz.: Rents due and accrued, \$1,971.32; Tax due from non-resident stockholders, \$8,698.00.....	10,669 32
Aggregate amount of all actual, available assets	\$3,358,687 84

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 163,906 99
Amount required to safely re-insure all outstanding risks.....	1,060,424 76
All other demands against the Company.....	22,800 00
Total liabilities, except capital and net surplus.....	\$1,247,131 75
Joint stock capital paid up in cash.	1,250,000 00
Surplus beyond capital.	861,556 09
Aggregate liabilities, including paid up capital and surplus.	\$3,358,687 84

III. INCOME, 1878.

Net cash actually received for premiums.....	\$1,508,010 92
Interest received on bonds and mortgages.....	45,518 50
Interest and dividends received from all other sources.....	92,948 84
Income from all other sources.....	16,394 51
Total income.....	\$1,662,872 57

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$822,077 71
Cash dividends actually paid.....	254,893 00
Salaries of officers, clerks and other employes.....	114,322 36
Paid for commissions and brokerage.....	219,169 29
Amount paid for State, national and local taxes.....	35,109 65
All other expenditures.....	108,294 28
Aggregate cash expenditure during the year.....	\$1,553,866 29

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$188,039,953 00
Total premiums received, from organization of company to date..	34,229,375 00
Total losses paid from organization of company to date.....	22,023,419 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$3,314,028 00
Amount of premiums received.....	43,986 03
Amount of losses paid.....	38,069 67
Amount of losses incurred, claimed and unclaimed.....	45,909 55

HOFFMAN FIRE INSURANCE COMPANY.

NEW YORK.

Principal Office, New York City.

(Organized and commenced business, May, 1864.)

M. F. HODGES, President.

J. D. McINTYRE, Secretary.

Attorney to accept services in Minnesota, L. B. HODGES, St. Paul.

Paid up Capital Stock..... \$200,000 00

I. ASSETS.

Value of unincumbered real estate owned.....	\$ 29,865 12
Amount loaned on real estate security (first liens).....	125,493 00
Interest due and accrued on bond and mortgage loans	3,336 50
Market value of bonds and stocks owned.....	174,243 75
Amount loaned on collateral security.....	3,750 00
Cash on hand and in bank.....	20,279 15
Interest due and accrued on bonds and stocks not included in market value.....	400 00
Interest due and accrued on collateral loans.....	42 00
Premiums in due course of collection.....	9,016 40
Aggregate amount of all actual, available assets.....	<u>\$366,425 92</u>

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 17,937 47
Amount required to safely re-insure all outstanding risks.....	67,273 84
All other demands against the Company.....	2,367 52
Total liabilities, except capital and net surplus.....	<u>\$ 87,578 83</u>
Joint stock capital paid up in cash.....	200,000 00
Surplus beyond capital.....	78,847 09
Aggregate liabilities, including paid up capital and surplus.	<u>\$366,425 92</u>

III. INCOME.

Net cash actually received for premiums.....	\$122,042 23
Interest received on bonds and mortgages.....	10,573 37
Income from all other sources.....	9,262 49
Total income.....	<u>\$141,878 09</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$75,036 49
Cash dividends actually paid, and interest to scripholders... ..	20,000 00
Salaries of officers, clerks and other employes.....	20,300 00
Paid for commissions and brokerage.....	18,673 29
Amount paid for State, national and local taxes.....	1,153 57
All other expenditures.....	15,855 15
Aggregate cash expenditures for the year.....	<u>\$151,018 50</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$13,429,000 00
Total premiums received, from organization of company to date.	1,962,635 00
Total premiums paid from organization of company to date.....	1,249,395 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$ 109,409 00
Amount of premiums received.....	1,424 73
Amount of losses paid.....	22 62
Amount of losses incurred, claimed and unclaimed.....	1,502 62

HOME INSURANCE COMPANY.

NEW YORK.

Principal Office, New York City.

(Organized and commenced business, April, 1853.)

CHARLES J. MARTIN, President. JOHN H. WASHBURN, Secretary.

Attorney to accept service in Minnesota, E. E. HUGHSON, St. Paul.

Paid up Capital Stock..... \$3,000,000 00

I. ASSETS.

Value of unincumbered real estate.....	\$ 104,430 87
Amount loaned on real estate security (first liens).....	2,056,836 33
Interest due and accrued on bond and mortgage loans.....	54,587 37
Market value of bonds and stocks owned.....	3,644,668 00
Amount loaned on collateral security.....	242,195 47
Cash on hand and in bank.....	117,432 64
Interest due and accrued on bonds and stocks not included in market value.....	8,922 50
Interest due and accrued on collateral loans.....	4,773 43
Premiums in due course of collection.....	156,505 79
Aggregate amount of all actual, available assets.....	\$6,390,352 40

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 239,522 64
Amount required to safely re-insure all outstanding risks.....	1,766,771 00
All other demands against the company.....	20,569 82
Total liabilities, except capital and net surplus.....	\$2,026,863 46
Joint stock capital paid up in cash.....	3,000,000 00
Surplus beyond capital ..	1,363,488 94
Aggregate liabilities, including paid up capital and surplus..	\$6,390,352 40

III. INCOME, 1878.

Net cash actually received for premiums.....	\$2,366,600 34
Interest received on bonds and mortgages.....	141,398 58
Interest and dividends received from all other sources.....	186,826 93
Total income.....	\$2,694,825 85

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$1,207,678 49
Cash dividends actually paid.....	301,995 00
Salaries of officers, clerks and other employes.....	245,348 11
Paid for commissions and brokerage.....	444,147 95
Amount paid for State, national and local taxes.....	36,943 81
All other expenditures.....	185,905 02
Aggregate cash expenditures during the year.....	\$2,422,018 38

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$344,131,435 00
Total premiums received, from organization of company to date..	45,887,470 00
Total losses paid from organization of company to date.....	28,487,370 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$3,089,039 00
Amount of premiums received ...	44,952 91
Amount of losses paid.....	43,566 96
Amount of losses incurred, claimed and unclaimed.....	49,319 02

HOWARD INSURANCE COMPANY.

NEW YORK.

Principal Office, New York City.

(Organized and commenced business, April, 1825.)

HENRY A. OAKLEY, President.

CHARLES A. HULL, Secretary.

Attorney to accept service in Minnesota, I. F. A. STUDDART, St. Paul.

Paid up Capital Stock.....	\$500,000 00
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I. ASSETS.

Value of unincumbered real estate owned.....	\$115,000 00.
Amount loaned on real estate security, (first liens).....	41,950 00
Interest due and accrued on bond and mortgage loans.	548 92
Market value of bonds and stocks owned.....	556,692 00
Amount loaned on collateral security.....	600 00
Cash on hand and in bank.....	18,409 46
Interest due and accrued on bonds and stocks not included in market value.....	3,912 05
Interest due and accrued on collateral loans.....	80 25
Premiums in due course of collection.....	19,643 95
Bills receivable, taken for marine and inland risks.....	
All other property, viz.: rents due and accrued.....	1,416 67

Aggregate amount of all actual, available assets.....	\$758,253 30
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Items not admitted as Assets.

Balances due from agents and others.....	\$1,235 00
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II. LIABILITIES.

Net amount of unpaid losses.....	\$ 21,431 82
Amount required to safely re-insure all outstanding risks.....	102,878 41

Total liabilities, except capital and net surplus.....	\$124,310 23
Joint stock capital paid up in cash.....	500,000 00
Surplus beyond capital.....	133,943 07

Aggregate liabilities, including paid up capital and surplus.	\$758,253 30
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III. INCOME, 1878.

Net cash actually received for premiums.....	\$192,665 88
Interest received on bonds and mortgages.....	2,773 50
Interest and dividends received from all other sources.....	31,237 71
Income from all other sources	3,484 98
Total income.....	<u>\$229,162 07</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$68,701 20
Cash dividends actually paid.....	50,000 00
Salaries of officers, clerks and other employes.....	32,220 22
Paid for commissions and brokerage.....	25,939 88
Amount paid for state, national and local taxes.....	5,548 35
All other expenditures.....	24,199 23
Aggregate cash expenditures during the year.....	<u>\$206,608 88</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$23,844,854 00
Total premiums received, from organization of company to date.....	6,416,894 00
Total losses paid from organization of company to date.....	3,413,819 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$154,275 00
Amount of premiums received.....	1,479 12
Amount of losses paid.....	15 50
Amount of losses incurred, claimed and unclaimed.....	15 50

INSURANCE COMPANY OF NORTH AMERICA.

PENNSYLVANIA.

Principal office, Philadelphia.

(Organized and commenced business, 1792.)

CHARLES PLATT, President.

M. MARIS, Secretary.

Attorney to accept service in Minnesota, S. S. EATON, St. Paul.

Paid up Capital Stock.....	\$2,000,000 00
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I. ASSETS.

Value of unincumbered real estate owned.....	\$ 132,853 08
Amount loaned on real estate security	1,578,648 31
Interest due and accrued on bond and mortgage loans.....	34,660 27
Market value of bonds and stocks owned.....	3,718,420 00
Amount loaned on collateral security.....	95,080 69
Cash on hand and in bank.....	429,168 48
Premiums in due course of collection.....	290,583 56
Bills receivable, taken for marine and inland risks.....	264,827 72
All other property.....	7,766 69
	<hr/>
Aggregate amount of all actual, available assets.....	\$6,552,008 80

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 289,800 00
Amount required to safely re-insure all outstanding risks.....	1,636,794 88
All other demands against the company.....	27,000 00
	<hr/>
Total liabilities, except capital and net surplus.....	\$1,953,594 88
Joint stock capital paid up in cash.....	2,000,000 00
Surplus beyond capital.	2,598,413 92
	<hr/>
Aggregate liabilities, including paid up capital and surplus..	\$6,552,008 80

III. INCOME, 1878.

Net cash actually received for premiums.....	\$2,838,512 77
Interest received on bonds and mortgages.....	102,378 39
Interest and dividends received from all other sources.....	207,656 03
Income from all other sources.....	1,055 00
	<hr/>
Total income.....	\$3,149,602 19

IV. EXPENDITURES, 1878.

Net amount paid for losses	\$1,965,410 00
Cash dividends actually paid.....	400,000 00
Salaries of officers, clerks and other employes.....	128,500 00
Paid for commissions and brokerage.....	338,947 35
Amount paid for state, national and local taxes.....	88,421 04
All other expenditures.....	153,556 70
	<hr/>
Aggregate cash expenditures during the year.....	\$3,074,835 09

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$178,650,879 00
Total premiums received, from organization of company to date.	74,000,000 00
Total losses paid from organization of company to date.....	45,533,766 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$2,028,249 00
Amount of premiums received.....	35,032 27
Amount of losses paid.....	35,546 33
Amount of losses incurred, claimed and unclaimed.....	37,751 33

LAMAR INSURANCE COMPANY.

NEW YORK.

Principal Office, New York City.

(Organized and commenced business April, 1872.)

I. N. ST. JOHN, President.

W. N. MACDIARMID, Secretary.

Attorney to accept service in Minnesota, C. H. BIGELOW, St. Paul.

Paid up Capital Stock.....	\$200,000 00
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I. ASSETS.

Amount loaned on real estate security (first liens).....	\$ 72,400 00
Interest due and accrued on bond and mortgage loans.....	353 00
Market value of bonds and stocks owned.....	292,750 00
Amount loaned on collateral security.....	6,700 00
Cash on hand and in bank.....	11,642 82
Premiums in due course of collection.....	15,195 88
Bills receivable, taken for marine and inland risks.....	125 00
All other property, viz.: Salvage property and claims on losses already paid.....	3,427 22
Aggregate amount of all actual, available assets.....	\$402,593 92

II. LIABILITIES.

Net amount of unpaid losses.....	\$12,300 00
Amount required to safely re-insure all outstanding risks.....	70,471 98
All other demands against the company.....	3,348 54
Total liabilities, except capital and net surplus.....	\$ 86,120 52
Joint stock capital paid up in cash.....	200,000 00
Surplus beyond capital.....	116,473 40
Aggregate liabilities, including paid up capital and surplus..	\$402,593 92

III. INCOME, 1878.

Net cash actually received for premiums.....	\$168,516 48
Interest received on bonds and mortgages.....	5,230 06
Interest and dividends received from all other sources.....	16,613 20
Total income.....	\$190,359 74

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$110,995 47
Cash dividends actually paid.....	20,000 00
Salaries of officers, clerks and other employes	18,660 83
Paid for commissions and brokerage.....	17,189 62
Amount paid for state, national and local taxes.....	2,098 07
All other expenditures.....	16,605 98
Aggregate cash expenditures during the year	\$185,549 97

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$11,772,414 00
Total premiums received from organization of company to date.	1,264,269 00
Total losses paid from organization of company to date.....	688,322 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$236,663 00
Amount of premiums received.....	4,311 84
Amount of losses paid.....	10,142 21
Amount of losses incurred, claimed and unclaimed.....	10,142 21

MANHATTAN INSURANCE COMPANY.

NEW YORK.

Principal Office, New York City.

(Organized and commenced business, March, 1872.)

A. J. SMITH, President.

L. P. CARMAN, Secretary.

Attorney to accept service in Minnesota, S. S. EATON, St. Paul.

Paid up Capital Stock.....	\$250,000 00
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I. ASSETS.

Value of unincumbered real estate owned.....	\$ 20,881 96
Amount loaned on real estate security (first liens).....	168,727 55
Interest due and accrued on bond and mortgage loans.....	8,132 65
Market value of bonds and stocks owned.....	407,200 00
Amount loaned on collateral security.....	35,400 00
Cash on hand and in bank.....	77,592 90
Interest due and accrued on bonds and stocks not included in market value.....	825 00
Interest due and accrued on collateral loans.....	1,203 10
Premiums in due course of collection.....	81,068 94
Bills receivable, taken for marine and inland risks.	11,821 43
Salvage property and claims.....	12,826 91
Aggregate amount of all actual, available assets.....	\$825,680 44

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 59,200 00
Amount required to safely re-insure all outstanding risks.....	265,338 79
All other demands against the company.....	10,250 00
Total liabilities, except capital and net surplus.....	\$334,788 79
Joint stock capital paid up in cash.....	250,000 00
Surplus beyond capital.....	240,891 65
Aggregate liabilities, including paid up capital and surplus..	\$825,680 44

III. INCOME, 1878.

Net cash actually received for premiums.....	\$649,688 42
Interest received on bonds and mortgages.....	11,795 43
Interest and dividends received from all other sources.....	19,975 52
Income from all other sources	667 71
Total income.....	<u>\$682,127 08</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$405,040 54
Cash dividends actually paid.....	25,000 00
Salaries of officers, clerks and other employes.....	47,898 04
Paid for commissions and brokerage.....	92,796 68
Amount paid for state, national and local taxes.....	17,249 68
All other expenditures.....	57,772 46
Aggregate cash expenditures during the year.....	<u>\$645,757 40</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$46,510,721 00
Total premiums received from organization of company to date..	4,248,833 00
Total losses paid from organization of company to date.....	2,378,901 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$654,042 00
Amount of premiums received.....	8,384 58
Amount of losses paid.....	8,677 78
Amount of losses incurred, claimed and unclaimed.....	8,677 78

MANUFACTURERS F. & M. INSURANCE COMPANY.

MASSACHUSETTS.

Principal Office, Boston.

(Organized and commenced business January, 1873.)

SAMUEL GOULD, President.

J. J. GOODRICH, Secretary.

Attorney to accept service in Minnesota, S. S. EATON, St. Paul.

Paid up Capital Stock.....	\$500,000 00
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I. ASSETS.

Value of unincumbered real estate owned.....	\$ 84,000 00
Amount loaned on real estate security (first liens).....	78,400 00
Interest due and accrued on bond and mortgage loans.....	3,529 26
Market value of bonds and stocks owned.....	372,233 00
Amount loaned on collateral security.....	165,315 72
Cash on hand and in bank.....	341,432 66
Interest due and accrued on bonds and stocks not included in market value.....	8,849 16
Interest due and accrued on collateral loans.....	2,039 36
Premiums in due course of collection.....	38,330 78
Bills receivable, taken for marine and inland risks.....	47,808 75
All other property, viz.: rents due and accrued.....	1,250 00
Aggregate amount of all actual, available assets.....	<u>\$1,143,188 69</u>

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 49,250 00
Amount required to safely re-insure all outstanding risks.....	340,717 83
All other demands against the company.....	4,587 90
Total liabilities, except capital and net surplus.....	<u>\$394,555 73</u>
Joint stock capital paid up in cash.....	500,000 00
Surplus beyond capital.....	248,632 96
Aggregate liabilities, including paid up capital and surplus.....	<u>\$1,143,188 69</u>

III. INCOME, 1878.

Net cash actually received for premiums.....	\$340,092 77
Interest received on bonds and mortgages.....	3,918 85
Interest and dividends received from all other sources.....	41,032 88
Income from all other sources.....	7,545 19
Total income.....	<u>\$392,589 69</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$239,899 24
Cash dividends actually paid.....	49,850 00
Salaries of officers, clerks and other employes.....	29,850 00
Paid for commissions and brokerage.....	30,744 95
Amount paid for state, national and local taxes.....	10,347 62
Aggregate cash expenditures during the year.....	<u>\$360,691 81</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$41,803,170 00
Total premiums received, from organization of company to date..	3,028,602 00
Total losses paid from organization of company to date.....	1,689,187 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$376,584 00
Amount of premiums received.....	4,886 37
Amount of losses paid.....	18,933 87
Amount of losses incurred, claimed and unclaimed.....	14,942 77

MERCANTILE MUTUAL INSURANCE COMPANY.

Principal office, New York City.

(Organized and commenced business, April, 1842.)

A. J. MONTGOMERY, Jr., President. C. J. DESPARD, Vice Prest. and Secy.

Attorney to accept service in Minnesota, S. S. EATON, St. Paul.

Paid up capital stock.....	\$500,000 00
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I. ASSETS.

Market value of bonds and stock owned.....	\$446,633 00
Amount loaned on collateral security.....	10,000 00
Cash on hand and in bank.....	12,839 51
Interest due and accrued on bonds and stocks not included in market value.....	3,212 97
Interest due and accrued on collateral loans.....	278 87
Premiums in due course of collection.....	119,392 42
Bills receivable, taken for marine and inland risks.....	173,621 15
All other property, viz: Salvage property and claims on losses already paid.....	67,609 00
Aggregate amount of all actual available assets.....	<u>\$833,586 92</u>

II. LIABILITIES.

Net amount of unpaid losses.....	\$121,704 00
Amount required to safely re insure all outstanding risks.....	116,935 12
All other demands against the company.....	83,629 61
Total liabilities, except capital and net surplus.....	<u>\$322,268 73</u>
Joint stock capital paid up in cash.....	500,000 00
Surplus beyond capital.....	11,318 19
Aggregate liabilities, including paid up capital and surplus.....	<u>\$833,586 92</u>

III. INCOME, 1878.

Net cash actually received for premiums.....	\$650,819 10
Interest and dividends received from all other sources.....	26,754 85
Total income.....	<u>\$677,573 95</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$643,835 03
Cash dividends actually paid.....	17,500 00
Salaries of officers, clerks and other employes.....	32,745 47
Paid for commissions and brokerage.....	52,110 74
Amount paid for state, national and local taxes.....	13,554 13
All other expenditures.....	18,257,62
Aggregate cash expenditures during the year.....	<u>\$778,002 99</u>

V. MISCELLANEOUS.

Total amount of outstanding risks, Dec. 31, 1878.....	\$4,086,451 00
Total premiums received, from organization of company to date..	39,165,702 00
Total losses paid from organization of company to date.....	29,747,080 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$2,221,516 00
Amount of premiums received.....	9,672 88
Amount of losses paid.....	439 01
Amount of losses incurred, claimed and unclaimed.....	439 01

MERCANTILE INSURANCE COMPANY.

OHIO.

Principal Office, Cleveland.

(Organized and commenced business, December, 1871.)

W. J. GORDON, President.

GEO. A. TISDALE, Secretary.

Attorney to accept service in Minnesota, J. J. WATSON, St. Paul.

Paid up Capital Stock.....	\$200,000 00
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I. ASSETS.

Amount loaned on real estate security (first liens).....	\$ 78,586 68
Interest due and accrued on bond and mortgage loans.....	4,491 83
Market value of bonds and stocks owned.....	231,600 00
Amount loaned on collateral security.....	8,900 00
Cash on hand and in bank.....	30,451 32
Interest due and accrued on collateral loans.....	719 55
Premiums in due course of collection.....	10,211 20
Bills receivable, taken for Marine and Inland risks.....	8,514 27
All other property, viz: Salvage property and claims on losses already paid.....	3,500 00
	<hr/>
Aggregate amount of all actual, available assets.....	\$376,974 85

Items not admitted as Assets.

Bills receivable.....	\$5,922 71
Wrecking pumps.....	1,250 00
	<hr/>
Total.....	\$7,172 71

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 9,500 00
Amount required to safely re-insure all outstanding risks.....	49,931 90
All other demands against the company.....	8,944 74
	<hr/>
Total liabilities, except capital and net surplus.....	\$68,376 64
Joint stock capital paid up in cash.....	200,000 00
Surplus beyond capital.....	108,598 21
	<hr/>
Aggregate liabilities, including paid up capital and surplus.....	\$376,974 65

III. INCOME, 1878.

Net cash actually received for premiums.....	\$117,329 12
Interest received on bonds and mortgages.....	6,816 20
Interest and dividends received from all other sources.....	14,919 54
	<hr/>
Total income.....	\$139,064 86

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$60,790 01
Cash dividends actually paid.....	20,000 00
Salaries of officers, clerks and other employes.....	13,456 13
Paid for commissions and brokerage.....	18,493 01
Amount paid for state, national and local taxes.....	3,521 38
All other expenditures.....	10,910 43
	<hr/>
Aggregate cash expenditures during the year.....	\$127,170 96

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$8,448,469 00
Total premiums received, from organization of company to date.	1,250,979 00
Total losses paid from organization of company to date.....	624,376 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$135,093 00
Amount of premiums received.....	2,068 27
Amount of losses paid.....	271 40
Amount of losses incurred, claimed and unclaimed.....	2 00

MERCHANTS INSURANCE COMPANY.

NEW JERSEY.

Principal Office, Newark, N. J.

(Organized and commenced business, April, 1858.)

SILAS MERCHANT, President.

HENRY POWLES, Secretary.

Attorney to accept service in Minnesota, ISAAC McNAIR, Minneapolis.

Paid up Capital Stock..... \$400,000.00

I. ASSETS.

Value of unincumbered real estate owned.....	\$125,060 00
Amount loaned on real estate security, (first liens).....	400,705 00
Interest due and accrued on bond and mortgage loans.....	10,604 18
Market value of bonds and stocks owned.....	412,590 00
Amount loaned on collateral security.....	60,035 00
Cash on hand and in bank.....	40,973 94
Interest due and accrued on bonds and stocks not included in market value.....	6,617 67
Interest due and accrued on collateral loans.....	2,719 68
Premiums in due course of collection.....	27,200.69
All other property, viz.: rents due and accrued.....	830.00

Aggregate amount of all actual, available Assets..... \$1,087,336 16

II. LIABILITIES.

Net amount of unpaid losses.....	\$24,305 27
Amount required to safely re-insure all outstanding risks.....	203,245 44
All other demands against the Company.....	27,020 04
<hr/>	
Total liabilities, except capital and net surplus.....	\$254,570 75
Joint stock capital paid up in cash.....	400,000 00
Surplus beyond capital.....	432,765 41
<hr/>	
Aggregate liabilities, including paid up capital and surplus.	\$1,087,336 16

III. INCOME, 1878.

Net cash actually received for premiums.....	\$337,238 37
Interest received on bonds and mortgages.....	28,795 49
Interest and dividends received from all other sources.....	28,310 76
Income from all other sources, viz.; rents.....	1,141 97
<hr/>	
Total income.....	\$395,486 59

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$134,723 60
Cash dividends actually paid.....	61,230 44
Salaries of officers, clerks and other employes.....	30,559 00
Paid for commissions and brokerage.....	60,566 60
Amount paid for state, national and local taxes.....	9,056 22
All other expenditures.....	55,516 18
<hr/>	
Aggregate cash expenditures during the year.....	\$351,652 04

V. MISCELLANEOUS.

Total amount of outstanding risks, Dec. 31, 1878.....	\$45,849,011 00
Total premiums received, from organization of company to date.	3,239,587 62
Total losses paid from organization of company to date.....	1,259,243 32

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$552,824 00
Amount of premiums received.....	6,713 66
Amount of losses paid.....	14,846 83
Amount of losses incurred claimed and unclaimed...	16,496 83

MERCHANTS INSURANCE COMPANY.

RHODE ISLAND.

Principal office, Providence, R. I.

(Organized and commenced business, June, 1851.)

WALTER PAINE, President.

CHARLES FOSTER, Secretary.

Attorney to accept service in Minnesota, I. F. A. STUDDART, St. Paul.

Paid up Capital Stock..... \$200,000 00

I. ASSETS.

Amount loaned on real estate security (first liens).....	\$ 35,000 00
Interest due and accrued on bond and mortgage loans.....	231 66
Market value of bonds and stocks owned.....	243,860 00
Cash on hand and in bank.....	71,960 59
Interest due and accrued on bonds and stocks not included in market value.....	125 00
Interest due and accrued on collateral loans.....	
Premiums in due course of collection.....	15,596 07
Aggregate amount of all actual, available assets.....	\$365,773 32

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 14,087 00
Amount required to safely re-insure all outstanding risks.....	74,465 50
All other demands against the company.....	4,561 18
Total liabilities, except capital and net surplus.....	\$ 93,113 68
Joint stock capital paid up in cash.....	200,000 00
Surplus beyond capital.....	72,659 64
Aggregate liabilities, including paid up capital and surplus.....	\$365,773 32

III. INCOME, 1878.

Net cash actually received for premiums.....	\$ 22,017 16
Interest received on bonds and mortgages.....	116,824 76
Interest and dividends received from all other sources.....	3,159 95
Total income.....	\$142,001 87

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$67,672 28
Cash dividends actually paid.....	14,000 00
Salaries of officers, clerks and other employes, and office expenses	14,564 51
Paid for commissions and brokerage.....	28,827 17
Amount paid for state, national and local taxes.....	5,497 94
Aggregate cash expenditures during the year.....	<u>\$130,561 90</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.	\$12,470,216 00
Total premiums received, from organization of company to date.	3,932,061 00
Total losses paid from organization of company to date.....	2,778,884 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$86,239 00
Amount of premiums received	1,164 61
Amount of losses paid.....	2,286 91
Amount of losses incurred, claimed and unclaimed.....	2,911 91

MERIDEN INSURANCE COMPANY.

CONNECTICUT.

Principal Office, Meriden.

(Organized and commenced business, February, 1872.)

S. W. CLARKE, President.

E. B. COWLES, Secretary.

Attorney to accept service in Minnesota, J. S. PRINCE, St. Paul.

Paid up Capital Stock... .. \$300,000 00

I. ASSETS.

Amount loaned on real estate security, (first liens).....	\$ 1,800 00
Interest due and accrued on bond and mortgage loans.....	57 39
Market value of bonds and stocks owned.....	329,217 00
Amount loaned on collateral security.....	20,185 00
Cash on hand and in bank.....	48,622 32
Interest due and accrued on bonds and stocks not included in market value.....	262 50
Interest due and accrued on collateral loans.....	206 40
Premiums in due course of collection.....	35,672 59
All other property, viz.: Taxes.....	257 00
Aggregate amount of all actual, available assets.....	<u>\$436,280 20</u>

Items not admitted as Assets.

Other property not named	\$ 3,750 00
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II. LIABILITIES.

Net amount of unpaid losses.....	\$27,359 32
Amount required to safely re-insure all outstanding risks.....	88,753 26
All other demands against the company	3,500 00
Total liabilities, except capital and net surplus.....	<u>\$119,612 58</u>
Joint stock capital paid up in cash.....	300,000 00
Surplus beyond capital.....	16,667 62
Aggregate liabilities, including paid up capital and surplus.....	<u>\$436,280 20</u>

III. INCOME, 1878.

Net cash actually received for premiums.....	\$195,498 05
Interest received on bonds and mortgages.....	94 50
Interest and dividends received from all other sources.....	18,468 53
Income from all other sources.....	907 43
Total income.....	<u>\$214,968 51</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$120,896 90
Cash dividends actually paid.....	18,000 00
Salaries of officers, clerks and other employes.....	10,100 00
Paid for commissions and brokerage.....	32,477 34
Amount paid for State, national and local taxes.....	5,001 86
All other expenditures.....	21,340 37
Aggregate cash expenditures during the year.....	<u>\$207,816 47</u>

V. MISCELLANEOUS.

Total amount of outstanding risks, Dec. 31, 1878.....	\$14,152,995 00
Total premiums received, from organization of company to date.....	1,071,444 00
Total losses paid from organization of company to date.....	583,001 00

VI. BUSINESS IN MINNESOTA, 1878

Amount of risks taken.....	\$377,400 00
Amount of premiums received.....	5,032 01
Amount of losses paid.....	3,872 91
Amount of losses incurred, claimed, and unclaimed.....	5,897 19

MILWAUKEE MECHANICS MUTUAL INSURANCE
COMPANY.

WISCONSIN.

Principal Office, Milwaukee.

(Organized and commenced business, April, 1852.)

CHRISTIAN PREUSSER, President. ADOLPH J. CRAMER, Secretary.

Attorney to accept service in Minnesota, W. S. M. ABBOTT, Minneapolis.

I. ASSETS.

Value of unincumbered real estate owned.....	\$42,926 00
Amount loaned on real estate security (first liens).....	88,366 83
Interest due and accrued on bond and mortgage loans.....	2,404 15
Market value of bonds and stocks owned.....	371,943 30
Amount loaned on collateral security.....	6,400 00
Cash on hand and in bank.....	45,338 07
Interest due and accrued on bonds and stocks not included in market value.....	783 75
Interest due and accrued on collateral loans.....	
Premiums in due course of collection.....	22,236 64
Bills receivable, taken for marine and inland risks.....	
All other property, interest bearing notes, \$5,003.73; office fur- niture, \$2,000; premium notes on policies in force, \$132,- 923.60; total.....	139,927 33
Aggregate amount of all actual, available assets.....	\$720,326 07

Items not admitted as Assets.

Interest bearing notes	\$ 5,003 73	
Office furniture, safes and fixtures	2,000 00	
Premiums	1,500 00	
Premium notes	132,923 60	
All notes for fire insurance premiums	1,500 00	
Total		\$142,927 33
Admitted assets		\$577,398 74

II. LIABILITIES.

Net amount of unpaid losses	13,087 00	
Amount required to safely re-insure all outstanding risks	206,750 24	
Total liabilities, except net surplus	\$ 219,837 24	
Surplus beyond liabilities	357,561 50	
Aggregate liabilities, including surplus		\$577,398 74

III. INCOME, 1878.

Net cash actually received for premiums	\$208,543 82	
Interest received on bonds and mortgages	3,844 36	
Interest and dividends received from all other sources	16,436 67	
Income from all other sources,, viz.: rents, conscience money and sundries	1,174 13	
Total income		\$229,998 98

IV. EXPENDITURES, 1878.

Net amount paid for losses	\$ 92,176 71	
Salaries of officers, clerks and other employes	20,008 33	
Paid for commissions and brokerage	43,498 97	
Amount paid for State, national and local taxes	7,032 07	
All other expenditures, viz.	13,522 03	
Aggregate cash expenditures during the year		\$176,237 08

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878	\$28,281,124 00	
Total premiums received, from organization of company to date	2,249,203 00	
Total losses paid from organization of company to date	1,001,677 00	

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken	0.972 00	
Amount of premiums received	9,422 20	
Amount of losses paid	4,241 04	
Amount of losses incurred, claimed and unclaimed	4,241 04	

MINNESOTA FARMERS' MUTUAL INSURANCE COMPANY.

MINNESOTA.

Principal Office, Minneapolis, Minn.

(Organized and commenced business, 1865.)

J. Q. FARMER, President.

W. A. NIMOCKS, Secretary.

I. ASSETS.

Amount loaned on real estate security, (first liens.)	\$12,656 40
Interest due and accrued on bond and mortgage loans	769 56
Personal property	1,300 00
Cash on hand and in bank	7,546 83
Interest due and accrued on bonds and stocks not included in market value	1,023 27
Interest due and accrued on bills receivable	5,360 00
Premiums in due course of collection	960 00
Bills receivable, taken for fire risks	86,220 43
Minneapolis city bonds	5,250 00
Minneapolis gaslight bonds	3,000 00
United States bonds	5,285 83
City Bank stock	2,140 00
Wright county school bonds	172 72
Swift county school bonds	250 00
Hennepin county school bonds	666 00
Stevens county school bonds	300 00
Douglas county school bonds	600 00
Jackson county school bonds	200 00

Aggregate amount of all actual, available assets..... \$133,701 04

II. LIABILITIES.

Net amount of unpaid losses	\$1,525 00
All other demands against the company	11,301 28
Total liabilities	\$12,826 28

III. INCOME, 1878.

Net cash actually received for premiums	\$33,228 32
Interest received on bonds and mortgages and notes	4,133 58
Total income	\$37,361 90

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$14,992 20
Salaries of officers, clerks and other employes.....	7,192 16
All other expenditures.....	8,091 23
	<hr/>
Aggregate cash expenditures during the year.....	\$30,275,59

NATIONAL FIRE INSURANCE COMPANY.

CONNECTICUT.

Principal Office, Hartford.

(Organized and commenced business, December, 1871.)

MARK HOWARD, President.

JAMES NICHOLS, Secretary.

Attorney to accept service in Minnesota, H. L. Moss, St. Paul.

Paid up Capital Stock.....	\$600,000 00
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I. ASSETS.

Value of unincumbered real estate owned.....	\$ 22,296 72
Amount loaned on real estate security (first liens).....	362,990 00
Interest due and accrued on bond and mortgage loans.....	16,084 25
Market value of bonds and stocks owned.....	604,800 00
Amount loaned on collateral security.....	600 00
Cash on hand and in bank.....	72,993 72
Interest due and accrued on bonds and stocks not included in market value.....	5,719 95
Interest due and accrued on collateral loans.....	21 00
Premiums in due course of collection.....	18,500 00

Aggregate amount of all actual, available assets.....	\$1,104,005 64
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II. LIABILITIES.

Net amount of unpaid losses.....	\$ 23,945 78
Amount required to safely re-insure all outstanding risks.....	161,447 38
Total liabilities, except capital and net surplus.....	\$185,393 16
Joint stock capital paid up in cash.....	600,000 00
Surplus beyond capital.....	318,612 48
Aggregate liabilities, including paid up capital and surplus..	\$1,104,005 64

III. INCOME, 1878.

Net cash actually received for premiums.....	\$237,663 29
Interest received on bonds and mortgages.....	37,224 67
Interest and dividends received from all other sources.....	36,360 88
Income from all other sources.....	1,576 43
Total income.....	\$312,825 27

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$88,662 91
Cash dividends actually paid.....	66,000 00
Salaries of officers, clerks and other employes.....	25,730 00
Paid for commissions and brokerage.....	35,366 47
Amount paid for state, national and local taxes.....	6,936 19
All other expenditures.....	14,663 63
Aggregate cash expenditure.....	\$237,359 20

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878	\$28,452,179 00
Total premiums received, from organization of company to date.	2,477,298 91
Total losses paid from organization of company to date.....	1,103,664 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$506,820 00
Amount of premiums received.....	6,973 56
Amount of losses paid.....	10,757 28
Amount of losses incurred, claimed and unclaimed..	10,757 28

NEWARK CITY INSURANCE COMPANY.

NEW JERSEY.

Principal Office, Newark.

(Organized and commenced business, March, 1860.)

H. J. POINIER, President.

HENRY SCHOPPE, Asst. Secretary.

Attorney to accept service in Minnesota, R. F. MARVIN, St. Paul.

Paid up Capital Stock..... \$200,000 00

I. ASSETS.

Value of unincumbered real estate owned.....	\$84,500 00
Amount loaned on real estate security.....	104,466 01
Interest due and accrued on bond and mortgage loans.....	4,282 82
Market value of bonds and stocks owned	60,733 75
Cash on hand and in bank.....	49,792 48
Interest due and accrued on bonds and stocks not included in market value.....	317 92
Interest due and accrued on deposits.....	86 63
Premiums in due course of collection.....	7,427 18
All other property, viz.: rents due and accrued, \$621.75; scrip dividends Merchants Ins. Co., \$338.00; total.....	1,009 75
Aggregate amount of all actual, available assets.....	\$312,616 54

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 7,468 84
Amount required to safely re-insure all outstanding risks	55,778 74
All other demands against the company.....	2,145 18
Total liabilities, except capital and net surplus.....	\$ 65,389 76
Joint stock capital paid up in cash.	200,000 00
Surplus beyond capital.....	47,226 78
Aggregate liabilities, including paid up capital and surplus..	\$312,616 54

ANNUAL REPORT.

III. INCOME, 1878.

Net cash actually received for premiums.....	\$110,235 87
Interest received on bonds and mortgages.....	7,052 42
Interest and dividends received from all other sources.....	3,968 45
Income from all other sources.....	4,785 81
Total income	<u>\$126,042 55</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$61,265 30
Cash dividends actually paid.....	14,000 00
Salaries of clerks, officers and other employes.....	12,346 00
Paid for commissions and brokerage	23,026 17
Amount paid for state, national and local taxes.....	3,457 89
All other expenditures.....	6,390 15
Aggregate cash expenditures during the year.....	<u>\$120,485 51</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$10,131,555 00
Total premiums received, from organization of company to date.	1,058,574 00
Total losses paid from organization of company to date.....	418,778 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$26,650 00
Amount of premiums received.....	800 00

NEWARK FIRE INSURANCE COMPANY.

NEW JERSEY.

Principal Office, Newark.

(Organized and commenced business May, 1810.)

C. M. WOODRUFF, President.

JOHN J. HENRY, Secretary.

Attorney to accept service in Minnesota, A. R. MCGILL, St. Paul.

Paid up Capital Stock.....	\$250,000 00
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I. ASSETS.

Value of unincumbered real estate owned.....	\$ 57,500 00
Amount loaned on real estate security.	402,555 00
Interest due and accrued on bond and mortgage loans.....	11,344 24
Market value of bonds and stocks owned.....	213,787 50
Cash on hand and in bank.....	40,960 88
Interest due and accrued on bonds and stocks not included in market value.....	3,125 00
Premiums in due course of collection.....	10,415 99
All other property, viz.: rents.....	424 50
	<hr/>
Aggregate amount of all actual, available assets.....	\$740,113 11

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 5,067 54
Amount required to safely re-insure all outstanding risks.....	104,278 74
All other demands against the Company.....	14,235 20
	<hr/>
Total liabilities, except capital and net surplus.....	\$123,581 48
Joint stock capital paid up in cash.....	250,000 00
Surplus beyond capital.....	366,531 63
	<hr/>
Aggregate liabilities, including paid up capital and surplus.	\$740,113 11

III. INCOME, 1878.

Net cash actually received for premiums.....	\$191,487 08
Interest received on bonds and mortgages.....	30,234 97
Interest and dividends received from all other sources.....	5,368 88
Income from all other sources, viz.: rents....	487 50
	<hr/>
Total income.....	\$227,578 43

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$49,147 80
Cash dividends actually paid.....	39,910 40
Salaries of officers, clerks and other employes.	10,367 79
Paid for commissions and brokerage.....	38,629 95
Amount paid for state, national and local taxes.....	2,183 84
All other expenditures.....	20,859 92
	<hr/>
Aggregate cash expenditures during the year.....	\$161,099 70

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$20,537,426 00
Total premiums received, from organization of company to date.	1,457,332 97
Total losses paid from organization of company to date	261,714 83

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$370,196 00
Amount of premiums received.....	5,292 62
Amount of losses paid.....	6,840 42
Amount of losses incurred, claimed and unclaimed.....	6,840 42

NEW HAMPSHIRE INSURANCE COMPANY.

NEW HAMPSHIRE.

Principal office, Manchester, N. H.

(Organized and commenced business, April, 1870.)

E. A. STRAW, President.

JNO. C. FRENCH, Secretary.

Attorney to accept service in Minnesota, J. G. McFARLANE, Minneapolis.

Paid up Capital Stock \$250,000 00

I. ASSETS.

Amount loaned on real estate security (first liens).....	\$66,053 86
Market value of bonds and stocks owned.....	374,738 50
Amount loaned on collateral security... ..	36,000 00
Cash on hand and in bank.....	22,344 30
Interest due and accrued on collateral loans.....	13,100 00
Premiums in due course of collection	10,380 24

Aggregate amount of all actual, available assets..... \$507,616 90

II. LIABILITIES.

Net amount of unpaid losses.....	\$24,209 81
Amount required to safely re-insure all outstanding risks... ..	105,727 70

Total liabilities, except capital and net surplus....	\$129,937 51
Joint stock capital paid up in cash.....	250,000 00
Surplus beyond capital.....	127,679 39

Aggregate liabilities, including paid up capital and surplus. \$507,616 90

III. INCOME, 1878.

Net cash actually received for premiums.....	\$171,492 06
Interest received on bonds and mortgages.....	28,914 86
Income from all other sources.....	300 00
Total income.....	\$200,706 92

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$101,296 38
Cash dividends actually paid.....	20,000 00
Salaries of officers, clerks and other employes.....	6,711 45
Paid for commissions and brokerage.....	31,040 14
Amount paid for state, national and local taxes.....	6,059 65
All other expenditures, viz:.....	8,201 66
Aggregate cash expenditure during the year.....	\$173,309 28

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$18,592,797 00
Total premiums received, from organization of company to date.	1,083,155 00
Total losses paid from organization of company to date.....	515,517 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$186,670 00
Amount of premiums received.....	2,739 95
Amount of losses paid.....	2,550 00
Amount of losses incurred, claimed and unclaimed.....	3,853 13

NEW YORK BOWERY INSURANCE COMPANY.

NEW YORK.

Principal Office, New York City.

(Organized and commenced business, September, 1833.)

GEORGE G. TAYLOR, President.

J. A. DELANOY, Jr., Secretary.

Attorney to accept service in Minnesota, E. M. CHRISTIAN, Minneapolis.

Paid up Capital Stock.....	\$300,000 00
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I. ASSETS.

Amount loaned on real estate security (first liens).....	\$173,650 00
Interest due and accrued on bond and mortgage loans.....	1,759 24
Market value of bonds and stocks owned.....	547,521 00
Amount loaned on collateral security.....	42,750 00
Cash on hand and in bank.....	7,682 44
Interest due and accrued on bonds and stocks not included in market value.....	960 00
Interest due and accrued on collateral loans.....	633 68
Premiums in due course of collection.....	10,930 10
All other property, viz.: Rents due and accrued.....	100 00
Aggregate amount of all actual, available assets.....	<u>\$785,986 46</u>

II. LIABILITIES.

Net amount of unpaid losses.....	\$4,500 00
Amount required to safely re-insure all outstanding risks.....	60,618 72
All other demands against the company.....	10,300 00
Total liabilities, except capital and net surplus.....	<u>\$75,418 72</u>
Joint stock capital paid up in cash.....	300,000 00
Surplus beyond capital.....	410,567 74
Aggregate liabilities, including paid up capital and surplus.....	<u>\$785,986 46</u>

III. INCOME, 1878.

Net cash actually received for premiums.....	\$137,413 10
Interest received on bonds and mortgages.....	13,141 12
Interest and dividends received from all other sources.....	29,113 71
Income from all other sources.....	776 14
Total income.....	<u>\$180,444 07</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$36,878 45
Cash dividends actually paid.....	60,000 00
Salaries of officers, clerks and other employees.....	29,100 00
Paid for commissions and brokerage.....	15,294 32
Amount paid for state, national and local taxes.....	1,087 79
All other expenditures.....	18,280 82
Aggregate cash expenditures during the year.....	<u>\$160,641 38</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$28715,346 00
Total premiums received, from organization of company to date.....	4,406,582 00
Total losses paid from organization of company to date.....	1,549,204 00

NEW YORK CITY INSURANCE COMPANY.

NEW YORK.

Principal Office, New York City.

(Organized and commenced business, March, 1872.)

R. L. FRANKLIN, President.

W. M. RANDALL, Secretary.

Attorney to accept service in Minnesota, R. F. MARVIN, St. Paul.

Paid up Capital Stock.....	\$300,000 00
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I. ASSETS.

Amount loaned on real estate security (first liens)	10,000 00
Interest due and accrued on bond and mortgage loans.....	58 33
Market value of bonds and stocks owned.....	385,975 00
Cash on hand and in bank.....	20,238 08
Interest due and accrued on bonds and stocks not included in market value.....	1,146 67
Premiums in due course of collection.....	12,212 77
Aggregate amount of all actual, available assets.....	\$429,630 85

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 9,840 45
Amount required to safely re-insure all outstanding risks.....	56,979 57
All other demands against the company.....	7,750 00
Total liabilities, except capital and net surplus.....	\$ 74,570 02
Joint stock capital paid up in cash.....	300,000 00
Surplus beyond capital.....	55,060 83
Aggregate liabilities, including paid up capital and surplus.	\$429,630 85

III. INCOME, 1878.

Net cash actually received for premiums.....	\$103,475 47
Interest received on bonds and mortgages.....	406 00
Interest and dividends received from all other sources.....	18,950 07
Total income.....	\$122,831 54

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$ 53,146 67
Salaries of officers, clerks and other employes.....	15,656 85
Paid for commissions and brokerage.....	18,205 05
Amount paid for State, national and local taxes.....	548 40
All other expenditures.....	18,651 39
Aggregate cash expenditure during the year.....	<u>\$106,208 36</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$14,686,258 00
Total premiums received, from organization of company to date..	798,027 00
Total losses paid from organization of company to date.....	407,449 00

NIAGARA FIRE INSURANCE COMPANY.

NEW YORK.

Principal Office, New York City.

(Organized and commenced business, August, 1850.)

HENRY A. HOWE, President.

PETER NOTMAN, Secretary.

Attorney to accept service in Minnesota, THOS. COCHRAN, JR., St. Paul.

Paid up Capital Stock.....	\$500,000 00
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I. ASSETS.

Value of unincumbered real estate owned.....	\$ 23,500 00
Amount loaned on real estate security.....	104,000 00
Interest due and accrued on bond and mortgage loans.....	3,727 50
Market value of bonds and stocks owned.....	971,790 00
Amount loaned on collateral security.....	149,600 00
Cash on hand in bank.....	14,874 00
Interest due and accrued on bonds and stocks not included in market value.....	2,780 00
Interest due and accrued on collateral loans.....	4,356 50
Premiums in due course of collection.....	55,022 00
Bills receivable, taken for marine and inland risks.....	.....
Aggregate amount of all actual, available assets.....	<u>\$1,329,650 00</u>

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 45,719 00
Amount required to safely re-insure all outstanding risks.....	323,183 00
All other demands against the company.....	5,736 00
Total liabilities, except capital and net surplus.....	\$374,638 00
Joint stock capital paid up in cash.....	500,000 00
Surplus beyond capital.....	455,012 00
Aggregate liabilities, including paid up capital and surplus.	\$1,329,650 00

III. INCOME, 1878.

Net cash actually received for premiums	\$454,747 00
Interest received on bonds and mortgages.....	7,750 00
Interest and dividends received from all other sources.....	61,293 00
Income from all other sources.....	8,650 00
Total income.....	\$532,440 00

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$253,013 00
Cash dividends actually paid.....	54,869 00
Salaries of officers, clerks and other employes.....	58,376 00
Paid for commissions and brokerage.....	75,798 00
Amount paid for state, national and local taxes.....	15,217 00
All other expenditures.....	68,288 00
Aggregate cash expenditures during the year.....	\$525,561 00

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$67,140,848 00
Total premiums received, from organization of company to date.	10,697,199 00
Total losses paid from organization of company to date.....	6,057,119 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken	\$293,259 00
Amount of premiums received.....	5,450 00
Amount of losses paid.....	13,251 00
Amount of losses incurred, claimed and unclaimed.....	9,379 00

NORTHERN INSURANCE COMPANY.

NEW YORK.

Principal Office, Watertown.

(Organized and commenced business, March, 1872.)

G. LORD, President.

A. H. WRAY, Secretary.

Attorney to accept service in Minnesota, C. H. BIGELOW, St. Paul.

Paid up Capital Stock.....	\$250,000 00
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I. ASSETS.

Value of unincumbered real estate owned.....	\$ 42,957 00
Amount loaned on real estate security (first liens).....	143,281 45
Interest due and accrued on bond and mortgage loans.....	5,464 67
Market value of bonds and stocks owned.....	99,954 62
Amount loaned on collateral security.....	22,141 72
Cash on hand and in bank.....	69,648 90
Interest due and accrued on bonds and stocks not included in market value	3 77
Interest due and accrued on collateral loans	299 49
Premiums in due course of collection.....	26,545 82
All other property, viz.: rents due and accrued.....	169 23
Aggregate amount of all actual, available assets.....	\$410,466 67

II. LIABILITIES.

Net amount of unpaid losses....	\$ 19,120 26
Amount required to safely re-insure all outstanding risks	84,529 42
All other demands against the company.....	3,689 99
Total liabilities, except capital and net surplus.....	\$107,339 67
Joint stock capital paid up in cash.....	250,000 00
Surplus beyond capital.....	53,127 00
Aggregate liabilities, including paid up capital and surplus.	\$410,466 67

III. INCOME, 1878.

Net cash actually received for premiums.....	\$158,146 39
Interest received on bonds and mortgages.....	19,800 88
Interest and dividends received from all other sources.	1,988 94
Income from all other sources.....	885 77
Total income	<u>\$180,771 98</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$ 74,536 76
Salaries of officers, clerks and other employes.....	15,317 97
Paid for commissions and brokerage.....	26,119 16
Amount paid for state, national and local taxes.....	4,513 76
All other expenditures	11,861 82
Aggregate cash expenditures during the year.....	<u>\$132,349 47</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$12,005,665 00
Total premiums received, from organization of company to date.	1,021,187 72
Total losses paid from organization of company to date.....	671,193 24

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken	\$232,720 00
Amount of premiums received.....	4,508 49
Amount of losses paid	5,669 62
Amount of losses incurred, claimed and unclaimed.....	6,669 62

NORTHWESTERN NATIONAL INSURANCE COMPANY

WISCONSIN.

Principal Office, Milwaukee.

(Organized and commenced business, July, 1869.)

ALEXANDER MITCHELL, President. JNO. P. MCGREGOR, Secretary.

Attorney to accept services in Minnesota, I. F. A. STUDDART, St. Paul.

Paid up Capital Stock	\$600,000 00
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I. ASSETS.

Amount loaned on real estate security (first liens).....	151,000 00
Interest due and accrued on bond and mortgage loans.....	2,013 33
Market value of bonds and stocks owned.....	629,750 00
Amount loaned on collateral security.....	
Cash on hand and in bank.....	
Interest due and accrued on bonds and stocks not included in market value.....	106,301 78 1,216 67
Interest due and accrued on collateral loans.....	
Premiums in due course of collection.....	29,259 04
Bills receivable, taken for marine and inland risks.....	
All other property.....	2,236 63
Aggregate amount of all actual, available assets.....	<u>\$921,777 45</u>

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 27,280 35
Amount required to safely re-insure all outstanding risks.....	145,223 42
All other demands against the company.....	6,339 89
Total liabilities, except capital and net surplus.....	<u>\$178,843 66</u>
Joint stock capital paid up in cash.....	600,000 00
Surplus beyond capital.....	142,933 79
Aggregate liabilities, including paid up capital and surplus.....	<u>\$921,777 45</u>

III. INCOME, 1878.

Net cash actually received for premiums.....	\$294,043 41
Interest received on bonds and mortgages.....	12,080 00
Interest and dividends received from all other sources.....	33,370 37
Total income.....	<u>\$339,493 78</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$129,712 80
Cash dividends actually paid.....	36,000 00
Salaries of officers, clerks and other employes.....	26,034 97
Paid for commissions and brokerage.....	40,129 76
Amount paid for state, national and local taxes.....	9,378 02
All other expenditures.....	28,919 87
Aggregate cash expenditures during the year.....	<u>\$270,175 42</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$23,438,895 00
Total premiums received, from organization of company to date.....	3,339,044 00
Total losses paid from organization of company to date.....	1,877,694 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken	\$844,037 00
Amount of premiums received	12,629 20
Amount of losses paid.....	8,969 37
Amount of losses incurred, claimed and unclaimed.....	8,969 37

ORIENT FIRE INSURANCE COMPANY.

CONNECTICUT.

Principal Office, Hartford, Connecticut.

(Organized and commenced business January, 1872.)

S. C. PRESTON, President.

GEO. W. IESTER, Secretary.

Attorney to accept service in Minnesota, JAMES H. WEED, St. Paul.

Paid up Capital Stock.....	\$500,000 00
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I. ASSETS.

Value of unincumbered real estate owned.....	\$26,767 31
Amount loaned on real estate security, (first liens)....	167,000 00
Interest due and accrued on bond and mortgage loans.....	2,736 68
Market value of bonds and stocks owned.....	472,923 00
Amount loaned on collateral security.....	26,505 00
Cash on hand and in bank.....	56,212 70
Interest due and accrued on bonds and stocks not included in market value.....	7,535 00
Interest due and accrued on collateral loans.....	795 15
Premiums in due course of collection.....	27,066 72
Aggregate amount of all actual, available assets.....	\$787,541 56

II. LIABILITIES.

Net amount of unpaid losses.....	\$17,776 37
Amount required to safely re-insure all outstanding risks.....	141,112 19
Total liabilities, except capital and net surplus.....	\$158,888 56
Joint stock capital paid up in cash.	500,000 00
Surplus beyond capital.	128,653 00
Aggregate liabilities, including paid up capital and surplus.	\$787,541 56

III. INCOME, 1878.

Net cash actually received for premiums.....	\$226,728 80
Interest received on bonds and mortgages.....	11,418 96
Interest and dividends received from all other sources.....	36,963 34
Total income.....	\$275,111 10

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$113,132 25
Cash dividends actually paid.....	55,000 00
Salaries of officers, clerks and other employes.....	19,716 76
Paid for commissions and brokerage.....	34,466 23
Amount paid for state, national and local taxes.....	6,098 03
All other expenditures.....	19,844 20
Aggregate cash expenditures during the year.....	\$248,257 47

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$23,129,298 00
Total premiums received, from organization of company to date.	2,332,703 18
Total losses paid from organization of company to date.....	1,205,995 84

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$493,773 00
Amount of premiums received.....	6,501 54
Amount of losses paid.....	5,469 61
Amount of losses incurred, claimed and unclaimed.....	7,969 61

ORIENT MUTUAL INSURANCE COMPANY.

NEW YORK.

Principal Office, New York City.

(Organized and commenced business, March, 1854.)

EUGENE DUTILH, President.

CHARLES IRVING, Secretary.

Attorney to accept service in Minnesota, GEO. SPENCER, St. Paul.

I. ASSETS.

Value of unincumbered real estate owned.....	\$350,029 18
Market value of bonds and stocks owned.....	215,562 50
Amount loaned on collateral security.....	250 00
Cash on hand and in bank.....	56,697 60
Premiums in due course of collection.....	58,096 30
Bills receivable, taken for marine and inland risks.....	361,992 97
Aggregate amount of all actual, available assets.....	\$1,042,628 63

Items not Admitted as Assets.

Unsettled accounts.....	\$3,500 00
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II. LIABILITIES.

Net amount of unpaid losses.....	\$108,308 00
Amount required to safely re-insure all outstanding risks.....	113,571 23
All other demands against the company.....	21,831 99
Total liabilities, except capital and net surplus.....	\$243,711 22
Outstanding Scrip.....	593,528 00
Surplus.....	205,381 41
Aggregate liabilities, including scrip.....	\$1,042,628 63

III. INCOME, 1878.

Net cash actually received for premiums.....	\$512,223 70
Interest and dividends received from all other sources.....	11,472 44
Income from all other sources.....	7,400 25
Total income.....	\$531,096 39

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$664,289 65
Scrip redeemed.....	848 90
Salaries of officers, clerks and other employes.....	43,736 37
Paid for commissions and brokerage.....	35,779 55
Amount paid for state, national and local taxes.....	11,323 28
All other expenditures.....	16,216 69
Aggregate cash expenditures during the year.....	<u>\$772,194 44</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$18,426,958 00
Total premiums received, from organization of company to date.....	20,933,941 00
Total losses paid from organization of company to date.....	10,963,968 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$941,196 00
Amount of premiums received.....	2,377 22
Amount of losses paid.....	622 10
Amount of losses incurred, claimed and unclaimed.....	622 10

PACIFIC MUTUAL INSURANCE COMPANY.

NEW YORK.

Principal Office, New York City.

(Organized and commenced business, January, 1855.)

H. J. MOODY, President.

W. POWELL, Secretary.

Attorney to accept service in Minnesota, S. S. EATON, St. Paul.

I. ASSETS.

Market value of bonds and stocks owned.....	361,840 00
Amount loaned on collateral security.....	118,000 00
Cash on hand and in bank.....	123,029 85
Interest due and accrued* on bonds and stocks not included in market value.....	200 00
Premiums in due course of collection.....	30,639 16
Bills receivable, taken for marine and inland risks.....	41,137 24
Aggregate amount of all actual, available assets.....	<u>\$674,846 25</u>

Items not Admitted as Assets.

Bills receivable past due	\$ 740 00
Claims not specified.....	2,768 27
Total.....	\$ 3,508 27

II. LIABILITIES.

Net amount of unpaid losses.....	\$141,800 00
Amount required to safely re-insure all outstanding risks.....	91,706 95
All other demands against the company.....	32,948 38
Total liabilities, except scrip.....	\$266,455 33
Outstanding scrip.....	583,630 00
Aggregate liabilities, including scrip.....	\$850,085 33

III. INCOME, 1878.

Net cash actually received for premiums	\$604,361 46
Interest and dividends received from all other sources.....	28,359 59
Total income.....	\$632,721 05

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$545,586 64
Scrip redeemed in cash.....	451 08
Salaries of officers, clerks and other employes.....	42,185 71
Paid for commissions and brokerage.....	40,916 13
Amount paid for state, national and local taxes.....	8,841 87
All other expenditures.....	70,799 93
Aggregate cash expenditures during the year.....	\$708,781 36

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$ 5,491,815 00
Total premiums received, from organization of company to date.	16,627,409 00
Total losses paid from organization of company to date.....	10,157,811 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken	\$121,559 00
Amount of premiums received.....	371 58
Amount of losses paid	192 49
Amount of losses incurred, claimed and unclaimed.....	192 49

PHILADELPHIA INSURANCE COMPANY.

PENNSYLVANIA.

Principal Office, Philadelphia.

(Organized and commenced business, 1825.)

JOHN DEVEREUX, President.

W. G. CROWELL, Secretary.

Attorney to accept service in Minnesota, E. R. PIERCE, Minneapolis.

Paid up Capital Stock..... \$400,000 00

I. ASSETS.

Value of unincumbered real estate owned.....	\$ 97,515 72
Amount loaned on real estate security (first liens)	384,007 00
Interest due and accrued on bond and mortgage loans.....	11,879 50
Market value of bonds and stocks owned	\$1,228,360 50
Amount loaned on collateral security.....	2,200 00
Cash on hand and in bank.....	53,512 30
Premiums in due course of collection.....	77,763 02

Aggregate amount of all actual, available assets.... \$1,855,238 04

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 45,000 00
Amount required to safely re-insure all outstanding risks.....	718,025 16
All other demands against the company.....	22,000 00

Total liabilities, except capital and net surplus.....	\$ 785,025 16
Joint stock capital paid up in cash.....	400,000 00
Surplus beyond capital.....	670,212 88

Aggregate liabilities, including paid up capital and surplus. \$1,855,238 04

III. INCOME, 1878.

Net cash actually received for premiums.....	\$506,830 99
Interest received on bonds and mortgages and bills receivable...	21,359 92
Interest received from all other sources.....	72,853 30
Income from all other sources.....	557 66

Total income..... \$601,601 87

IV. EXPENDITURES, 1878.

Net amount paid for losses	\$245,150 72
Cash dividends actually paid.....	40,000 00
Salaries of officers, clerks and other employes.....	73,347 71
Paid for commissions and brokerage.....	77,568 01
Amount paid for state, national and local taxes.....	16,015 89
All other expenditures.....	14,602 03
Aggregate cash expenditures during the year.....	<u>\$466,684 34</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$47,927,868 00
Total premiums received, from organization of company to date.	7,299,801 00
Total losses paid from organization of company to date.....	5,204,215 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken	\$683,333 00
Amount of premiums received.....	12,872 12
Amount of losses paid.....	14,995 81
Amount of losses incurred, claimed and unclaimed.....	16,867 68

PEOPLE'S INSURANCE COMPANY.

NEW JERSEY.

Principal Office, Newark.

(Organized and commenced business, October, 1867.)

J. M. RANDALL, President.

J. H. LINDSLEY, Secretary.

Attorneys to accept service in Minnesota, M. D. MILLER, St. Paul.

Paid up capital stock.....\$300,000 00

I. ASSETS.

Value of unincumbered real estate owned.....	\$156,259 86
Amount loaned on real estate security (first liens)	132,912 97
Interest due and accrued on bond and mortgage loans.....	3,371 53
Market value of bonds and stocks owned.....	116,400 00
Amount loaned on collateral security.....	23,875 00
Cash on hand and in bank.....	38,995 78
Interest due and accrued on bonds and stocks not included in market value.....	
Interest due and accrued on collateral loans.....	1,477 14
Premiums in due course of collection.....	28,358 66
All other property, viz: rents due and accrued.....	863 00
Aggregate amount of actual, available assets.....	<u>\$502,513 99</u>

Items not Admitted as Assets.

Agents' balances.....	\$526 88
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II. LIABILITIES.

Net amount of unpaid losses	27,520 15
Amount required to safely re-insure all outstanding risks.....	114,812 78
All other demands against the company.....	2,500 00
Total liabilities, except capital and net surplus.....	<u>\$144,832 93</u>
Joint stock capital paid up in cash.....	300,000 00
Surplus beyond capital.....	57,681 06
Aggregate liabilities, including paid up capital and surplus..	<u>\$502,513 99</u>

III. INCOME, 1878.

Net cash actually received for premiums....	\$210,013 23
Interest received on bonds and mortgages.....	17,773 42
Interest and dividends received from all other sources.....	2,493 12
Interest from all other sources.....	8,190 10
Total income	<u>\$238,169 87</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$144,565 17
Cash dividends actually paid.....	27,006 00
Salaries of officers, clerks and other employes.....	13,966 87
Paid for commission and brokerage.....	46,345 72
Amount paid for State, national and local taxes.....	8,522 74
All other expenditures.....	11,978 04
Aggregate cash expenditures during the year.....	<u>\$252,108 54</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878	\$19,738,649 00
Total premiums received, from organization of company to date.	2,103,866 00
Total losses paid from organization of company to date.....	984,587 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$304,815 00
Amount of premiums received.....	4,671 15
Amount of losses paid.....	9,344 81
Amount of losses incurred, claimed and unclaimed.....	9,981 14

PHENIX INSURANCE COMPANY.

NEW YORK.

Principal Office, Brooklyn.

(Organized and commenced business, 1853.)

STEPHEN CROWELL, President.

W. R. CROWELL, Secretary

Attorney to accept service in Minnesota, J. H. WEED, St. Paul.

I. ASSETS.

Value of unincumbered real estate owned.....	\$256,500 00
Amount loaned on real estate security.....	218,750 00
Interest due and accrued on bond and mortgage loans.....	5,878 83
Market value of bonds and stocks owned.....	1,524,375 06
Amount loaned on collateral security.....	76,375 00
Cash on hand and in bank.....	474,070 95
Interest due and accrued on bonds and stocks not included in market value.....	5,947 66
Interest due and accrued on collateral loans.....	1,647 48
Premiums in due course of collection.....	70,737 73
Bills receivable, taken from marine and inland risks.....	21,527 91
All other property, viz: salvage property and claims on losses al- ready paid.....	45,443 52
Rents.....	1,150 02
Aggregate amount of all actual, available assets.....	\$2,702,404 16

Items not Admitted as Assets.

Wrecking tug and pumps.....\$23,250 00

II. LIABILITIES.

Net amount of unpaid losses.....	\$197,910 57
Amount required to safely re-insure all outstanding risks.....	796,730 31
All other demands against the company.....	9,690 92
Total liabilities, except capital and net surplus.....	\$1,004,331 80
Joint stock capital paid up in cash.....	1,000,000 00
Surplus beyond capital.....	698,072 36
Aggregate liabilities, including paid up capital and surplus.	\$2,702,404 16

III. INCOME, 1878.

Net cash actually received for premiums.....	\$1,855,587 04
Interest received on bonds and mortgages.....	15,855 36
Interest and dividends received from all other sources.....	95,731 57
Income from all other sources.....	1,137 09
Total income.....	\$1,968,311 06

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$1,156,634 80
Cash dividends actually paid.....	150,000 00
Salaries of officers, clerks and other employes.....	149,956 67
Paid for commissions and brokerage.....	276,511 36
Amount paid for State, national and local taxes.....	28,161 19
All other expenditures.....	179,370 45
Aggregate cash expenditures during the year.....	\$1,940,634 47

V. MISCELLANEOUS.

Total amount of outstanding risks, Dec. 31, 1878.....	\$156,750,000 00
Total premiums received, from organization of company to date.	26,635,768 00
Total losses paid from organization of company to date....	13,777,662 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	[\$2,889,515 00
Amount of premiums received.....	24,200 21
Amount of losses paid.....	11,796 60
Amount of losses incurred, claimed and unclaimed.....	13,537 64

PHOENIX INSURANCE COMPANY.

CONNECTICUT.

Principal Office, Hartford.

(Organized and commenced business, June, 1854.)

H. KELLOGG, President.

D. W. C. SKELTON, Secretary.

Attorney to accept service in Minnesota, JAMES H. WEED, St. Paul.

Paid up Capital Stock..... \$1000,000 00

I. ASSETS.

Value of unincumbered real estate owned.....	\$135,000 00
Amount loaned on real estate security, (first liens).....	128,000 00
Interest due and accrued on bond and mortgage loans.....	2,135 00
Market value of bonds and stocks owned.....	1,665,778 09
Amount loaned on collateral security.....	122,530 00
Cash on hand and in bank.....	410,390 34
Interest due and accrued on collateral loans and bank deposits...	5,760 70
Premiums in due course of collection...	153,455 28
All other property, viz.: rents due and accrued.....	1,033 33

Aggregate amount of all actual, available Assets..... \$2,624,082 74

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 113,442 65
Amount required to safely re-insure all outstanding risks.....	754,019 69
Total liabilities, except capital and net surplus.....	\$ 867,552 34
Joint stock capital paid up in cash.....	1,000,000 00
Surplus beyond capital ..	756,530 40

Aggregate liabilities, including paid up capital and surplus.. \$2,624,081 74

III. INCOME, 1878.

Net cash actually received for premiums.....	\$1,230,873 46
Interest received on bonds and mortgages.....	3,180 00
Interest and dividends received from all other sources.....	113,588 49
Income from all other sources, viz.: rents.....	4,027 90

Total income..... \$1,351,669 85

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$ 577,079 31
Cash dividends actually paid.....	200,000 00
Salaries of officers, clerks and other employes.....	64,271 16
Paid for commissions and brokerage.....	205,690 07
Amount paid for State, national and local taxes.....	37,992 70
All other expenditures.....	113,253 22
Aggregate cash expenditures during the year.....	\$1,198,286 46

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$121,275,658 00
Total premiums received, from organization of company to date.	21,694,814 00
Total losses paid from organization of company to date.....	13,018,252 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$2,059,535 00
Amount of premiums received ..	29,396 01
Amount of losses paid... ..	12,595 91
Amount of losses incurred, claimed and unclaimed.....	14,275 91

PROVIDENCE WASHINGTON INSURANCE COMPANY.

RHODE ISLAND.

Principal Office, Providence.

(Organized and commenced business, 1799.)

J. H. DEWOLF, President.

WARREN S. GREENE, Secretary.

Attorney to accept service in Minnesota, I. F. A. STUDDART, St. Paul.

Paid up Capital Stock..... \$ 400,000 00

I. ASSETS.

Market value of bonds and stocks owned.....	\$504,820 00
Cash on hand and in bank.....	52,375 76
Interest due and accrued on bonds and stocks not included in market value.....	1,233 00
Premiums in due course of collection.....	16,493 49
Bills receivable, taken for marine and inland risks.....	38,235 44
All other property, viz: Salvage property and claims on losses already paid.....	2,000 00
Aggregate amount of all actual, available assets.....	\$ 615,207 69

II. LIABILITIES.

Net amount of unpaid losses.....	\$57,130 93
Amount required to safely re-insure all outstanding risks.....	126,084 42
All other demands against the company.....	2,070 38
Total liabilities, except capital and net surplus.....	\$185,285 73
Joint stock capital paid up in cash.....	400,000 00
Surplus beyond capital.....	29,921 96
Aggregate liabilities, including paid up capital and surplus..	\$615,207 69

III. INCOME, 1878.

Net cash actually received for premiums.....	\$266,315 79
Interest and dividends received from all other sources.....	27,667 59
Income from all other sources.....	19 33
Total income.....	\$294,022 71

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$203,101 86
Cash dividends actually paid.....	266 30
Salaries of officers, clerks and other employes	12,793 00
Paid for commissions and brokerage.....	36,392 64
Amount paid for state, national and local taxes.....	7,485 31
All other expenditures.....	13,521 89
Aggregate cash expenditures during the year	\$273,561 00

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$14,545,696 00
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VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$ 86,239 00
Amount of premiums received.....	1,164 61
Amount of losses paid.....	2,286 91
Amount of losses incurred, claimed and unclaimed.....	2,911 11

REVERE INSURANCE COMPANY.

MASSACHUSETTS.

Principal office, Boston.

(Organized and commenced business, May, 1878.)

J. H. WELLMAN, President.

J. W. BELCHER, Secretary.

Attorney to accept service in Minnesota, M. D. MILLER, St. Paul.

Paid up Capital Stock.....	\$200,000 00
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I. ASSETS.

Amount loaned on real estate security (first liens).....	\$ 63,000 00
Interest due and accrued on bond and mortgage loans.....	1,099 45
Market value of bonds and stocks owned.....	159,127 00
Amount loaned on collateral security.....	22,300 00
Cash on hand and in bank.....	16,671 23
Interest due and accrued on bonds and stocks not included in market value.....	450 00
Interest due and accrued on collateral loans.....	255 94
Premiums in due course of collection.....	11,669 53

Aggregate amount of all actual, available assets.....	\$274,573 15
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II. LIABILITIES.

Net amount of unpaid losses.....	\$ 9,039 06
Amount required to safely re-insure all outstanding risks.....	56,256 15
All other demands against the company.....	2,612 93

Total liabilities, except capital and net surplus.....	\$ 67,908 14
Joint stock capital paid up in cash.....	200,000 00
Surplus beyond capital.....	6,665 01

Aggregate liabilities, including paid up capital and surplus.	\$274,573 15
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III. INCOME, 1878.

Net cash actually received for premiums.....	\$ 87,966 31
Interest received on bonds and mortgages.....	4,770 50
Interest and dividends received from all other sources	8,827 08
Total income.....	<u>\$101,563 89</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$46,132 18
Salaries of officers, clerks and other employes.....	10,620 00
Paid for commissions and brokerage.....	17,861 53
Amount paid for state, national and local taxes.....	4,149 19
All other expenditures.....	9,754 86
Aggregate cash expenditures during the year.....	<u>\$88,517 76</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$9,055,609 00
Total premiums received, from organization of company to date.	320,176 43
Total losses paid from organization of company to date.....	99,752 75

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	-\$60,000 00
Amount of premiums received.....	1,463 31
Amount of losses paid.....	3,830 00
Amount of losses incurred, claimed and unclaimed.....	5,113 95

ROCHESTER GERMAN INSURANCE COMPANY.

NEW YORK.

Principal Office, Rochester.

(Organized and commenced business, February, 1872.)

F. COOK, President.

RUDOLPH VAY, Secretary.

Attorney to accept service in Minnesota, A. V. TEEPLE, St. Paul.

Paid up Capital Stock..... \$200,000 00

I. ASSETS.

Value of unincumbered real estate owned.....	\$ 1,961 14
Amount loaned on real estate security, (first liens).....	190,145 00
Interest due and accrued on bond and mortgage loans.	5,207 00
Market value of bonds and stocks owned.....	128,875 00
Cash on hand and in bank.....	70,175 75
Interest due and accrued on bonds and stocks not included in market value.....	1,650 01
Premiums in due course of collection.....	11,660 25
Aggregate amount of all actual, available assets.....	<u>\$409,620 15</u>

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 2,400 00
Amount required to safely re-insure all outstanding risks.....	91,672 79
Total liabilities, except capital and net surplus.....	<u>\$ 94,072 79</u>
Joint stock capital paid up in cash.....	200,000 00
Surplus beyond capital.....	115,547 36
Aggregate liabilities, including paid up capital and surplus.	<u>\$409,620 15</u>

III. INCOME, 1878.

Net cash actually received for premiums.....	\$161,146 16
Interest received on bonds and mortgages.....	12,049 62
Interest and dividends received from all other sources.....	8,728 00
Income from all other sources.....	1,944 97
Total income.....	<u>\$183,922 65</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$ 73,805 60
Cash dividends actually paid.....	20,000 00
Salaries of officers, clerks and other employes.....	8,660 00
Paid for commissions and brokerage.....	26,598 45
Amount paid for state, national and local taxes.....	4,505 12
All other expenditures.....	9,836 38
Aggregate cash expenditures during the year.....	<u>\$143,405 55</u>

V. MISCELLANEOUS.

Total amount of outstanding risks, Dec. 31, 1878.....	\$19,385,655 00
Total premiums received, from organization of company to date.	1,101,368 00
Total losses paid from organization of company to date.....	479,883 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$204,685 00
Amount of premiums received.....	3,508 55
Amount of losses paid.....	5,452 93
Amount of losses incurred claimed and unclaimed...	5,452 93

ROGER WILLIAMS INSURANCE COMPANY.

RHODE ISLAND.

Principal office, Providence.

(Organized and commenced business, August, 1848.)

J. W. DAVENPORT, President.

W. H. FREDERICKS, Secretary.

Attorney to accept service in Minnesota; I. F. A. STUDDART, St. Paul.

Paid up capital stock.....	\$200,000 00
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I. ASSETS.

Amount loaned on real estate security (first liens).....	\$ 57,500 00
Interest due and accrued on bond and mortgage loans.....	1,359 19
Market value of bonds and stock owned.....	185,160 00
Cash on hand and in bank.....	38,305 05
Interest due and accrued on bonds and stocks not included in market value.....	3,878 33
Premiums in due course of collection.....	33,840 73
Bills receivable, taken for Marine and Inland risks.....	1,590 95
Aggregate amount of all actual available assets.....	<u>\$321,634 25</u>

II. LIABILITIES.

Net amount of unpaid losses.....	\$22,819 70
Amount required to safely re insure all outstanding risks	92,666 46
All other demands against the company.....	4,077 82
Total liabilities, except capital and net surplus.....	<u>\$119,563 98</u>
Joint stock capital paid up in cash.....	200,000 00
Surplus beyond capital	2,070 27
Aggregate liabilities, including paid up capital and surplus.	<u>\$321,634 25</u>

III. INCOME, 1878.

Net cash actually received for premiums.....	\$ 254,314 88
Interest received on bonds and mortgages.....	4,351 79
Interest and dividends received from all other sources.....	10,423 27
Income from all other sources.....	17,633 92
Total income.....	\$ 286,723 86

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$263,873 99
Cash dividends actually paid.....	109 00
Salaries of officers, clerks and other employes.....	29,696 47
Paid for commissions and brokerage.....	39,917 63
Amount paid for state, national and local taxes.....	6,180 59
Aggregate cash expenditures during the year.....	\$339,777 69

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31. 1878.....	\$13,016,237 00
Total premiums received, from organization of company to date.	3,468,267 00
Total losses paid from organization of company to date.....	2,559,962 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$141,418 00
Amount of premiums received.....	2,307 67
Amount of losses paid.....	550 19
Amount of losses incurred, claimed and unclaimed.....	550 19

SECURITY INSURANCE COMPANY.

CONNECTICUT.

Principal Office, New Haven.

(Organized and commenced business, 1841.)

CHARLES PETERSON, President.

HERBERT MASON, Secretary.

Attorney to accept service in Minnesota, W. G. TELFER, Minneapolis.

Paid up Capital Stock.....	\$200,000 00
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I. ASSETS.

Amount loaned on real estate security (first liens).....	\$14,900 00
Interest due and accrued on bond and mortgage loans	100 84
Market value of bonds and stocks owned.....	288,080 63
Cash on hand and in bank.....	26,768 19
Interest due and accrued on bonds and stocks not included in market value.....	1,132 63
Premiums in due course of collection.....	24,495 84
Bills receivable, taken for marine and inland risks.	8,795 49
All other property, viz.: Salvage property and claims on losses already paid.....	4,993 95
Aggregate amount of all actual, available assets.....	\$369,267 57

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 27,756 44
Amount required to safely re-insure all outstanding risks.....	103,104 40
All other demands against the company.....	4,189 52
Total liabilities, except capital and net surplus.....	\$135,050 36
Joint stock capital paid up in cash	200,000 00
Surplus beyond capital.....	34,217 21
Aggregate liabilities, including paid up capital and surplus..	\$369,267 57

III. INCOME, 1878.

Net cash actually received for premiums.....	\$228,581 09
Interest received on bonds and mortgages.....	971 00
Interest and dividends received from all other sources.....	16,010 03
Total income.....	\$245,562 12

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$187,224 30
Cash dividends actually paid.....	14,000 00
Salaries of officers, clerks and other employes.....	22,208 83
Paid for commissions and brokerage.....	36,268 97
Amount paid for state, national and local taxes.....	1,938 72
Aggregate cash expenditures during the year.....	\$261,640 82

V. MISCELLANEOUS.

Total amount of outstanding risks, Dec. 31, 1878.....	\$15,543,839 00
Total premiums received, from organization of company to date..	2,264,072 00
Total losses paid from organization of company to date.....	1,553,477 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$ 84,620 00
Amount of premiums received.....	1,540 09
Amount of losses paid.....	1,130 66
Amount of losses incurred, claimed and unclaimed.....	1,130 66

SHAWMUT INSURANCE COMPANY.

MASSACHUSETTS.

Principal Office, Boston.

(Organized and commenced business September, 1873.)

WM. S. DENNY, President.

JAMES BRUERTON, Secretary.

Attorney to accept service in Minnesota, S. S. EATON, St. Paul.

Paid up Capital Stock..... \$500,000 00

I. ASSETS.

Value of unincumbered real estate owned.....	\$ 800 00
Amount loaned on real estate security	51,000 00
Interest due and accrued on bond and mortgage loans	1,122 45
Market value of bonds and stocks owned.....	522,204 63
Cash on hand and in bank	35,554 54
Interest due and accrued on bonds and stocks not included in market value.....	2,083 33
Interest due and accrued on collateral loans and claims.....	1,022 66
Premiums in due course of collection.....	25,455 29
All other property, due from other companies.....	11,024 45
Aggregate amount of all actual, available assets.....	<u>\$650,267 35</u>

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 25,467 10
Amount required to safely re-insure all outstanding risks.....	95,631 20
All other demands against the Company.....	4,068 28
Total liabilities, except capital and net surplus.....	<u>\$125,166 58</u>
Joint stock capital paid up in cash.....	500,000 00
Surplus beyond capital.....	25,100 77
Aggregate liabilities, including paid up capital and surplus.....	<u>\$650,267 35</u>

III. INCOME.

Net cash actually received for premiums.....	\$197,076 44
Interest received on bonds and mortgages.....	2,721 74
Interest and dividends received from all other sources.....	24,789 50
Total income.....	<u>\$224,587 68</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.	\$136,672 76
Salaries of officers, clerks and other employes.....	20,653 04
Paid for commissions and brokerage.....	33,330 00
Amount paid for State, national and local taxes.....	9,688 33
All other expenditures.....	14,334 11
Aggregate cash expenditures for the year.....	<u>\$214,679 18</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$17,022,887 00
Total premiums received, from organization of company to date.	771,044 00
Total premiums paid from organization of company to date.....	345,017 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$428,394 00
Amount of premiums received.....	5,644 36
Amount of losses paid.....	8,788 75
Amount of losses incurred, claimed and unclaimed.....	8,788 75

SPRINGFIELD F. & M. INSURANCE COMPANY.

MASSACHUSETTS.

Principal Office, Springfield.

(Organized and commenced business, 1849.)

D. R. SMITH, President.

S. J. HALL, Secretary.

Attorney to accept service in Minnesota, S. S. EATON, St. Paul.

Paid up Capital Stock..... \$ 750,000 00

I. ASSETS.

Value of unincumbered real estate owned.....	\$ 159,900 00
Amount loaned on real estate security (first liens).....	371,434 72
Interest due and accrued on bond and mortgage loans.....	11,420 00
Market value of bonds and stocks owned.....	990,655 00
Amount loaned on collateral security.....	15,115 00
Cash on hand and in bank.....	85,730 84
Interest due and accrued on bonds and stocks not included in market value.....	13,352 00
Interest due and accrued on collateral loans.....	611 73
Premiums in due course of collection.....	111,000 00
All other property, viz.: rents due and accrued.....	1,401 34
Aggregate amount of all actual, available assets.....	\$1,760,620 63

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 68,300 55
Amount required to safely re-insure all outstanding risks.....	547,676 42
All other demands against the company.....	16,650 00
Total liabilities, except capital and net surplus.....	\$ 632,626 97
Joint stock capital paid up in cash.....	750,000 00
Surplus beyond capital.....	377,993 66
Aggregate liabilities, including paid up capital and surplus..	\$1,760,620 63

III. INCOME, 1878.

Net cash actually received for premiums.....	\$759,534 94
Interest received on bonds and mortgages.....	25,346 84
Interest and dividends received from all other sources.....	56,172 98
Income from all other sources.....	4,674 12
Total income.....	\$845,728 88

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$ 396,906 41
Cash dividends actually paid.....	75,000 00
Salaries of officers, clerks and other employes.....	38,928 69
Paid for commissions and brokerage.....	117,086 23
Amount paid for state, national and local taxes.....	24,293 46
All other expenditures.....	70,032 23
Aggregate cash expenditures during the year.....	\$722,247 02

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$89,726,163 00
Total premiums received, from organization of company to date.	10,371,153 00
Total losses paid from organization of company to date.....	6,927,265 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$1,090,912 00
Amount of premiums received.....	22,148 65
Amount of losses paid.....	21,945 41
Amount of losses incurred, claimed and unclaimed.....	20,934 52

STANDARD INSURANCE COMPANY.

NEW JERSEY.

Principal Office, Trenton.

(Organized and commenced business February 1869.)

WILLIAM DOLTON, President.

JOSEPH B. WRIGHT, Secretary.

Attorney to accept service in Minnesota, A. R. MCGILL, St. Paul.

Paid up Capital Stock.....	\$200,000 00
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I. ASSETS.

Value of unincumbered real estate owned.....	\$ 10,581 87
Amount loaned on real estate security (first liens).....	150,354 00
Interest due and accrued on bond and mortgage loans.....	7,258 48
Market value of bonds and stocks owned.....	61,973 75
Amount loaned on collateral security.....	17,532 28
Cash on hand and in bank.....	17,942 15
Interest due and accrued on bonds and stocks not included in market value.....	1,091 25
Interest due and accrued on collateral loans.....	851 25
Premiums in due course of collection.....	35,367 01
All other property, viz.: Salvage property and claims on losses already paid, \$500.00. Rents due and accrued, \$50.00.....	550 00
Aggregate amount of all actual, available assets.....	<u>\$303,502 04</u>

II. LIABILITIES.

Net amount of unpaid losses.....	\$15,735 23
Amount required to safely re-insure all outstanding risks.....	72,244 50
All other demands against the Company.....	5,874 60
Total liabilities, except capital and net surplus.....	<hr/> \$ 93,854 33
Joint stock capital paid up in cash.....	200,000 00
Surplus beyond capital.....	9,647 71
Aggregate liabilities, including paid up capital and surplus.	<hr/> \$303,502 04

III. INCOME, 1878.

Net cash actually received for premiums.....	\$116,601 18
Interest received on bonds and mortgages.....	10,847 03
Interest and dividends received from all other sources.....	5,214 67
Total income.....	<hr/> \$132,662 88

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$ 91,660 37
Cash dividends actually paid.....	10,000 00
Salaries of officers, clerks and other employes.....	5,368 00
Paid for commissions and brokerage.....	25,378 25
Amount paid for state, national and local taxes.....	2,835 40
All other expenditures.....	7,356 07
Aggregate cash expenditures during the year.....	<hr/> \$142,598 09

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$9,173,598 00
Total premiums received from organization of company to date..	711,038 00
Total losses paid from organization of company to date.....	419,529 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$ 74,150 00
Amount of premiums received.....	1,372 42

STAR FIRE INSURANCE COMPANY.

NEW YORK.

Principal Office, New York City.

(Organized and commenced business, December, 1864.)

N. C. MILLER, President.

J. M. HODGES, Secretary.

Attorney to accept service in Minnesota, H. L. Moss, St. Paul.

Paid up capital stock.....	\$300,000 00
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I. ASSETS.

Value of unincumbered real estate owned.....	\$ 31,061 68
Amount loaned on real estate security (first liens).....	173,825 00
Interest due and accrued on bond and mortgage loans.....	4,575 63
Market value of bonds and stocks owned.....	314,437 50
Amount loaned on collateral security.....	40,900 00
Cash on hand and in bank.....	8,521 75
Interest due and accrued on bonds and stocks not included in market value.....	100 00
Interest due and accrued on collateral loans.....	1,516 90
Premiums in due course of collection.....	23,363 57
All other property, viz.: rents due and accrued.....	2,260 41

Aggregate amount of all actual, available assets.....	\$600,567 44
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II. LIABILITIES.

Net amount of unpaid losses.....	\$ 20,866 00
Amount required to safely re-insure all outstanding risks.....	100,398 05
All other demands against the company.....	7,995 00

Total liabilities, except capital and net surplus.....	\$129,249 05
Joint stock capital paid up in cash.....	300,000 00
Surplus beyond capital.....	171,318 39

Aggregate liabilities, including paid up capital and surplus.	\$ 600,567 44
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III. INCOME, 1878.

Net cash actually received for premiums.....	\$168,718 80
Interest received on bonds and mortgages.....	8,361 43
Interest and dividends received from all other sources.....	12,677 19
Income from all other sources.....	1,242 44
Total income.....	<u>\$190,999 86</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$ 77,367 22
Cash dividends actually paid.....	25,000 00
Salaries of officers, clerks and other employees.....	23,914 53
Paid for commissions and brokerage.....	4,713 71
Amount paid for state, national and local taxes.....	1,461 56
All other expenditures.....	33,547 92
Aggregate cash expenditures during the year.....	<u>\$166,004 94</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$27,073,994 00
Total premiums received, from organization of company to date..	2,120,652 00
Total losses paid from organization of company to date.....	1,124,827 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$ 93,275 00
Amount of premiums received.....	881 95
Amount of losses paid.....	5 00
Amount of losses incurred, claimed and unclaimed.....	5 00

ST. JOSEPH F. & M. INSURANCE COMPANY.

MISSOURI.

Principal Office, St. Joseph.

(Organized and commenced business, January 1, 1850.)

A. P. GOFF, President.

J. H. RICE, Secretary.

Attorney to accept service in Minnesota, E. B. AMES, Minneapolis.

Paid up Capital Stock.....	\$240,000 00
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I. ASSETS.

Value of unincumbered real estate owned.....	\$ 16,205 87
Amount loaned on real estate security.....	92,844 24
Market value of bonds and stocks owned.....	188,752 01
Amount loaned on collateral security.....	22,675 00
Cash on hand in bank.....	54,082 80
Interest due and accrued on bonds and stocks not included in market value.....	8,267 39
Premiums in due course of collection	23,808 13
Aggregate amount of all actual, available assets.....	\$ 406,635 44

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 18,959 61
Amount required to safely re-insure all outstanding risks.....	54,368 15
All other demands against the company.....	4,507 39
Total liabilities, except capital and net surplus.....	\$ 77,835 15
Joint stock capital paid up in cash.....	240,000 00
Surplus beyond capital	88,800 29
Aggregate liabilities, including paid up capital and surplus..	\$ 406,635 44

III. INCOME, 1878.

Net cash actually received for premiums.....	\$152,731 72
Interest received on bonds and mortgages.....	29,789 13
Income from all other sources.....	2,799 11
Total income.....	\$185,319 96

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$92,371 66
Cash dividends actually paid.....	19,200 00
Salaries of officers, clerks and other employes.....	11,063 02
Paid for commissions and brokerage.....	32,204 26
Amount paid for state, national and local taxes	7,125 64
All other expenditures.....	4,250 07
Aggregate cash expenditure.....	\$166,214 65

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878	\$6,907,198 00
Total premiums received, from organization of company to date.	1,500,308 00
Total losses paid from organization of company to date.....	730,923 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$157,287 00
Amount of premiums received.....	2,614 32
Amount of losses paid.....	18 52
Amount of lossess incurred, claimed and unclaimed... ..	18 52

ST. NICHOLAS INSURANCE COMPANY.

NEW YORK.

Principal Office, New York City.

(Organized and commenced business, July, 1852.)

WILLIAM WINSLOW, President.

JACOB DU BOIS, Secretary.

Attorney to accept service in Minnesota, R. F. MARVIN, St. Paul.

 Paid up Capital Stock..... \$200,000 00

I. ASSETS.

Value of unincumbered real estate owned.....	\$ 8,330 58
Amount loaned on real estate security.....	57,000 00
Interest due and accrued on bond and mortgage loans.....	1,579 17
Market value of bonds and stocks owned	208,357 00
Cash on hand and in bank.....	8,636 95
Interest due and accrued on bonds and stocks not included in market value.....	104 99
Premiums in due course of collection.....	8,168 93
All other property, viz.: Salvage property and claims on losses already paid.	4,626 28
Aggregate amount of all actual, available assets.....	<u>\$296,803 90</u>

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 2,400 00
Amount required to safely re-insure all outstanding risks.....	54,050 48
All other demands against the company.....	1,333 55
Total liabilities, except capital and net surplus.....	<u>\$ 57,784 03</u>
Joint stock capital paid up in cash.	200,000 00
Surplus beyond capital.....	39,019 87
Aggregate liabilities, including paid up capital and surplus..	<u>\$296,803 90</u>

III. INCOME, 1878.

Net cash actually received for premiums.....	\$117,509 23
Interest received on bonds and mortgages.....	4,262 50
Interest and dividends received from all other sources.....	11,017 49
Total income.....	<u>\$132,789 22</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$ 53,374 28
Cash dividends actually paid.....	18,000 00
Salaries of officers, clerks and other employes.....	14,676 64
Paid for commissions and brokerage.....	24,028 72
Amount paid for state, national and local taxes.....	3,355 02
All other expenditures, viz:.....	10,503 09
Aggregate cash expenditure during the year.....	<u>\$123,937 75</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$15,948,686 00
Total premiums received, from organization of company to date.	2,456,386 00
Total losses paid from organization of company to date.....	1,397,826 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$155,300 00
Amount of premiums received.....	1,736 22
Amount of losses paid.....	1,115 65
Amount of losses incurred, claimed and unclaimed.....	1,115 65

ST. PAUL FIRE AND MARINE INSURANCE COMPANY.

MINNESOTA.

Principal Office, St. Paul.

(Organized and commenced business, May, 1865.)

C. H. BIGELOW, President.

C. A. EATON, Secretary.

Paid up Capital Stock..... \$400,000 00

I. ASSETS.

Value of real estate owned by the Company.....	\$ 122,163.77
Loans on bond and mortgage.....	87,383.77
Interest due on all said bond and mortgage loans.....	4,534.40
Value of lands mortgaged, exclusive of buildings and perishable improvements.....	\$ 95,950 00
Value of the buildings mortgaged, (insured for \$51,050 00 as collateral).....	75,500 00
Total value of said mortgaged premises, (car- ried inside).....	\$171,450 00

STOCKS AND BONDS OWNED BY THE COMPANY.

	Par Value.	Market Value.
United States Bonds—4 per cent., issue of 1878.....	\$50,000	\$49,750
200 Shares First National Bank, St. Paul Stock.....	20,000	28,000
120 Shares Merchants National Bank, St. Paul, Stock.....	12,000	13,540
36 Shares First National Bank, St. Peter, Stock.....	3,600	4,140
379 Shares St. Paul & S. C. R. R. Co., Preferred 8 per cent. Stock.....	37,900	37,900
St. Paul & S. C. R. R. Co., Land Con- tracts, First Lien.....	1,788 75	1,788 75
168 Shares St. Paul Warehouse and Ele- vator Co. Stock.....	8,800	8,800
St. Paul Warehouse and Elevator Co. Bonds, 10 per cent.....	8,000	8,000
City of St. Paul, Treasury Certificate Bonds, 12 per cent.....	33 04	33 04
City of Minneapolis Bonds, 8 per cent... ..	1,500	1,500
City of Stillwater Bonds, 10 per cent....	10,000	10,000
City of Mankato Bonds, 7 per cent.....	8,500	8,500
Town of Detroit Bonds, 12 per cent.....	5,999	5,900
County of Rock Bonds, 10 per cent.....	24,000	24,000
County of Cass Bonds, 12 per cent... ..	7,400	7,400
County of Aitken Bonds, 12 per cent....	3,200	3,200
County of Becker Bonds, 10 per cent....	1,860	1,860
County of Pine Bonds, 10 per cent.....	7,757	7,757
County of Ramsey Bonds, 8 per cent....	1,000	1,000
School District, Otter Tail County Bonds 12 per cent.....	804 87	804 87
School District, St. Cloud Bonds, 12 per cent.....	100	100

\$214,242 66 \$224,072 66

Total par and market value, carried out at market value.... \$224,072 66

LOANS ON COLLATERALS.

	Par Value.	Market Value.	Amount Loaned.
695 Shares First National Bank, St. Paul, Stock.....	\$ 69,500	\$ 97,300	\$ 68,200
85 Shares Second Nat'l Bank, St. Paul, Stock.....	8,500	15,300	10,052 80

160 Shares Merchants National Bank, St. Paul, Stock.....	16,000	19,200	14,200	
37½ Shares Savings Bank, St. Paul, Stock.....	3,750	3,750	3,000	
45 Shares First National Bank, Red Wing, Stock.....	4,500	5,625	3,535	
80 Shares First National Bank, Stillwater, Stock.....	8,000	9,600	8,000	
50 Shares Lumberman's Nat'l Bank, Stillwater Stock.....	5,000	6,000	5,000	
20 Shares Citizens Nat'l Bank, New Ulm Stock.....	2,000	2,000	900	
15 Shares State Bank, Minneapolis Stock.....	1,500	1,500	1,365	59
2133 Shares St. Paul & S. C. R. R. Co's Land, Stock.....	213,300	127,980	95,878	11
40 Shares St. Paul, S. & T. F. Co's Land, Stock.....	4,000	2,400	2,000	
St. Paul, S. & T. F. Co's 1st Mortgage Bonds.....	6,000	5,100	4,500	
1324 Shares St. Paul Harvester Works Stocks.....	66,200	66,200	50,456	89
18 Shares St. Paul Manufacturing Co's Stock.....	900	675	550	
5 Shares St. Paul Warehouse and Elevator Bonds.....	500	500	434	
1000 Shares Pioneer Press Co. Stock.....	50,000	40,000	10,954	76
100 Shares Seymour, Sabin & Co. Mfg. Corporation Stock.	5,000	5,000	4,144	
100 Shares Stillwater Gas Light Co. Stock.....	5,600	2,500	1,500	
Cass County Bonds.....	2,000	2,000	1,500	
Aiken County Bonds.....	500	500	400	
	<u>\$472,150</u>	<u>\$413,130</u>	<u>\$286,371</u>	15
Total par value, and amount loaned thereon.....			\$286,371	15
Cash in the Company's principal office.....			967	76
Cash belonging to the Company deposited in Bank—				
First National Bank, St. Paul.....			\$20,969	11
Merchants National Bank, St. Paul.....			21,395	29
			<u>42,364</u>	40
Total.....				
Interest due and accrued on stocks not included in market value.			4,366	46
Interest due and accrued on collateral loans.....			12,680	01
Gross Premiums in course of collection not more than three months due.....			51,483	20
Bills receivable, not matured, taken for Fire, Marine and Inland risks.....			3,965	60
All other property belonging to the Company, viz: rents due and accrued.....			1,547	25
			<u>\$841,900</u>	43
Gross amount of all the Assets of the Company.....				
What amount of Installment notes is owned and now held by the Company.....			\$158,041	26

III. LIABILITIES.

Gross losses in process of adjustment, or in suspense, including all reported and supposed losses.....	\$ 21,474	25
Losses resisted, including interest, costs and other expenses thereon.....	10,622	31
Total gross amount of claims for losses.....	32,096	56
Deduct Reinsurance thereon.....	3,000	00
	<u>Net amount of unpaid losses.....</u>	<u>\$ 29,096 56</u>

Gross premiums received and receivable upon all unexpired fire risks running one year or less from date of policy.	\$310,580 69	
Unearned premiums (fifty per cent.).....	155,290 35	
Gross premiums received and receivable upon all unexpired fire risks, running more than one year from date of policy.....	173,134 28	
Unearned premiums (pro rata).....	85,193 80	
Gross premiums (including both cash and bills), received and receivable upon all unexpired Inland Navigation risks.....	5,186 28	
Unearned premiums (fifty per cent.).....	2,568 14	
Total unearned premiums, as computed above.....		243,052 29
Commissions, brokerage and other charges due and to become due to agents and brokers, on premiums paid and in course of collection.....		6,011 33
Total amount of all liabilities, except capital stock and net surplus.....		\$278,160 18
Joint stock capital actually paid up in cash.....		400,000 00
Surplus beyond capital and all other liabilities.....		168,740 25
Amount of unearned premiums represented by Installment notes, being the whole amount of such notes.....	\$158,041 26	

IV. INCOME DURING THE YEAR.

	Fire.	Marine and Inland.	
Gross premiums received in cash, without any deduction.....	\$368,777 74	\$68,432 52	
Gross cash actually received on bills and notes taken for premiums, without any deduction.....	41,098 66	13,877 04	
Gross cash received for premiums..	\$409,875 80	\$82,309 56	
Deduct only reinsurance, rebate, abatement and return premiums.....	62,280 94	7,372 55	
Net cash actually received for premiums.....	\$347,594 86	\$74,937 01	—\$ 422,531 87
Bills and notes received during the year for premiums, remaining unpaid...		3,965 60	
Received for interest on bonds and mortgages.....			7,978 01
Received for interest and dividends on stocks and bonds, collateral loans, and from all other sources			50,107 75
Income received from all other sources, viz.: rents.....			6,107 83
Aggregate amount of income actually received during the year in cash.....			\$486,725 48

V. EXPENDITURES DURING THE YEAR.

	On Fire Risks.	On Marine and Inland Risks.	
Gross amount actually paid for losses, (including \$25,485 99, losses occurring in previous years).....	\$237,540 49	\$61,971 02	
Deduct all amounts actually received for Salvages, and all amounts actually received for reinsurance in other Companies.....	5,585 55	3,371 81	
Net amount paid during the year for losses.....			\$290,554 18

Cash dividends actually paid stockholders.....	40,000 00
Paid for commissions or brokerage.....	75,901 94
Paid for salaries, fees, and all other charges of officers, clerks, agents, and all other employes.....	25,754 52
Paid for State, national and local taxes in this and other States..	18,128 57
All other payments and expenditures.....	23,279 29
<hr/>	
Aggregate amount of actual expenditures during the year, in cash.....	\$483,618 47

VI. MISCELLANEOUS.

Risks and Premiums.

Net amount in force—	
Fire risks	\$36,820,277 00
Premiums thereon.....	483,714 97
Marine and Inland risks.....	292,796 00
Premiums thereon.....	5,136 28

GENERAL INTERROGATORIES.

Total amount of premiums received from the organization of the Company to date.....	\$3,821,830 83
Losses paid from organization to date.....	2,484,500 25

BUSINESS IN MINNESOTA DURING THE YEAR 1878.

	Fire Risks.	Marine and Inland Risks.	Aggregate.
Amount of Fire, Marine and In- land risks taken in the State.	\$9,827,716 00	\$2,421,255 00	\$12,248,971 00
Amount of premiums received during the year.....	86,951 98	10,959 94	97,911 92
Losses paid during the year...	65,493 19	4,791 68	70,284 87
Losses incurred during the year, whether paid or unpaid.....	62,646 77	3,142 42	65,789 19

TRADE INSURANCE COMPANY.

NEW JERSEY.

Principal Office, Camden.

(Organized and commenced business July, 1873.)

D. L. TAYLOR, President.

EDMUND MAY, Secretary.

Attorney to accept service in Minnesota, R. F. MARVINE. St. Paul.

Paid up Capital Stock.....	\$200,000 00
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I. ASSETS.

Amount loaned on real estate security.....	\$126,483 33
Interest due and accrued on bond and mortgage loans.....	3,223 70
Market value of bonds and stocks owned.....	78,845 00
Amount loaned on collateral security.....	27,948 00
Cash on hand and in bank.....	5,221 25
Interest due and accrued on bonds and stocks not included in market value.....	767 50
Interest due and accrued on collateral loans.....	1,207 49
Premiums in due course of collection.....	18,905 11
Bills receivable, taken for marine and inland risks.....	10,018 61
All other property, viz.: rents.....	4,193 60
 Aggregate amount of all actual, available assets.....	 \$276,813 59

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 14,000 13
Amount required to safely re-insure all outstanding risks.....	49,462 91
All other demands against the Company.....	2,734 00
 Total liabilities, except capital and net surplus.....	 \$ 66,197 04
Joint stock capital paid up in cash.....	200,000 00
Surplus beyond capital.....	10,616 55
 Aggregate liabilities, including paid up capital and surplus.	 \$276,813 59

III. INCOME, 1878.

Net cash actually received for premiums.....	\$ 95,118 57
Interest received on bonds and mortgages.....	4,508 91
Interest and dividends received from all other sources.....	6,789 30
Income from all other sources, viz.: rents.....	540 30
 Total income.....	 \$106,957 08

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$65,135 61
Cash dividends actually paid.....	12,805 00
Salaries of officers, clerks and other employes.....	5,127 44
Paid for commissions and brokerage.....	18,881 56
Amount paid for state, national and local taxes.....	3,423 07
All other expenditures.....	8,293 22
 Aggregate cash expenditures during the year.....	 \$113,665 90

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$4,911,070 00
Total premiums received, from organization of company to date.....	561,538 00
Total losses paid from organization of company to date.....	368,052 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$32,600 00
Amount of premiums received.....	842 73
Amount of losses paid.....	28 00
Amount of losses incurred, claimed and unclaimed.....	25 00

TRADERS INSURANCE COMPANY.

ILLINOIS.

Principal Office, Chicago.

(Organized and commenced business, May, 1872.)

CHARLES COMSTOCK, President.

R. J. SMITH, Secretary.

Attorney to accept service in Minnesota, E. B. AMES, Minneapolis.

Paid up capital stock.....	\$500,000 00
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I. ASSETS.

Value of unincumbered real estate owned.....	\$11,578 80
Market value of bonds and stocks owned.....	710,673 12
Amounts loaned on collateral security.....	1,000 00
Cash on hand and in bank.....	56,032 75
Interest due and accrued on bonds and stocks not included in market value	1,412 50
Premiums in dne course of collection.....	30,900 06
All other property, viz.: due from other companies.....	8,138 97
Aggregate amount of all actual, available assets.....	\$819,736 20

Items not admitted as Assets.

Personal property.....	\$3,000 00
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II. LIABILITIES.

Net amount of unpaid losses.....	\$ 14,054 71
Amount required to safely re-insure all outstanding risks	131,762 11
All other demands against the company.....	13,680 00
Total liabilities, except net surplus	\$ 159,496 82
Joint stock capital paid up in cash.....	500,000 00
Surplus beyond liabilities.....	160,239 38
Aggregate liabilities, including surplus.....	\$819,736 20

III. INCOME, 1878.

Net cash actually received for premiums.....	\$284,156 42
Interest and dividends received from all other sources	34,366 45
Income from all other sources.....	15,771 36
Total income.....	\$334,294 23

IV. EXPENDITURES, 1878.

Net amount paid for losses	\$176,842,98
Cash dividend actually paid.....	45,000 00
Salaries of officers, clerks and other employes.....	24,710 00
Paid for commissions and brokerage.....	47,343,74
Amount paid for State, national and local taxes.....	5,001 98
All other expenditures, viz.....	22,973 96
Aggregate cash expenditures during the year....	\$321,872 66

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$17,552,430 00
Total premiums received, from organization of company to date	2,362,369 00
Total losses paid from organization of company to date.....	1,278,045 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	433,232 00
Amount of premiums received.....	10,307 23
Amount of losses paid.....	8,701 35
Amount of losses incurred, claimed and unclaimed.....	10,003 47

UNION INSURANCE COMPANY.

PENNSYLVANIA.

Principal office, Philadelphia

(Organized and commenced business, July, 1803.)

RICHARD S. SMITH, President.

JNO. B. CRAVEN, Secretary.

Attorney to accept service in Minnesota, ISAAC McNAIR, Minneapolis.

Paid up Capital Stock	\$250,000 00
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I. ASSETS.

Market value of bonds and stocks owned.....	\$258,989 02
Amount loaned on collateral security.....	46,500 00
Cash on hand and in bank.....	12,865 31
Interest due and accrued on collateral loans.....	5,746 01
Premiums in due course of collection	1,523 97
Bills receivable, taken for marine and inland risks.....	21,796 02
Interest due and accrued on bonds and stocks not included in market value.....	16,673 03
All other property, viz: salvage property and claims on losses already paid.....	2,500 00
Aggregate amount of all actual, available assets.....	<u>\$366,593 36</u>

II. LIABILITIES.

Net amount of unpaid losses.....	\$29,238 15
Amount required to safely re-insure all outstanding risks... ..	89,709 08
All other demands against the company.....	3,400 74
Total liabilities, except capital and net surplus....	<u>\$122,397 97</u>
Joint stock capital paid up in cash.....	200,000 00
Surplus beyond capital.....	44,195 89
Aggregate liabilities, including paid up capital and surplus.	<u>\$366,593 36</u>

III. INCOME, 1878.

Net cash actually received for premiums.....	\$164,122 65
Interest and dividends received from all other sources.....	18,327 61
Total income.....	<u>\$182,450 26</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$86,856 69
Cash dividends actually paid.....	15,642 26
Salaries of clerks, officers and other employes, and advertising... ..	17,607 32
Paid for commissions and brokerage, agency expenses and postage	23,979 96
Amount paid for state, national and local taxes.....	3,666 70
Aggregate cash expenditures during the year.....	<u>\$147,752 93</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$ 7,664,050 00
Total premiums received, from organization of company to date.	10,051,937 00
Total losses paid from organization of company to date.....	10,051,937 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$50,750 00
Amount of premiums received.....	323 41
Amount of losses paid.....	1,951 08
Amount of losses incurred, claimed, and unclaimed.....	1,951 08

WATERTOWN FIRE INSURANCE COMPANY.

NEW YORK.

Principal office, Watertown, N. Y.

(Organized and commenced business, Dec., 1867.)

WILLARD IVES, President.

J. M. ADAMS, Secretary.

Attorney to accept service in Minnesota, R. F. MARVIN, St. Paul.

Paid up Capital Stock.....	\$200,000 00
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I. ASSETS.

Value of unincumbered real estate owned.....	\$36,465 46
Amount loaned on real estate security (first liens).....	335,963 94
Interest due and accrued on bond and mortgage loans.....	14,820 56
Market value of bonds and stocks owned.....	121,898 44
Amount loaned on collateral security.....	66,090 99
Cash on hand and in bank.....	86,895 07
Interest due and accrued on bonds and stocks not included in market value.....	750 00
Interest due and accrued on collateral loans.....	4,556 13
Premiums in due course of collection.....	87,375 45
Aggregate amount of all actual, available assets.....	\$764,816 04

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 38,650 00
Amount required to safely re-insure all outstanding risks.....	443,688 25
Total liabilities, except capital and net surplus.....	\$482,338 25
Joint stock capital paid up in cash.....	200,000 00
Surplus beyond capital.....	82,477 79
Aggregate liabilities, including paid up capital and surplus.....	\$764,816 04

III. INCOME, 1878.

Net cash actually received for premiums.....	\$437,006 14
Interest received on bonds and mortgages.....	22,743 11
Interest and dividends received from all other sources.....	9,676 36
Total income.....	<u>\$469,445 61</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	235,816 11
Cash dividends actually paid	20,000 00
Salaries of officers, clerks and other employes.....	34,726 27
Paid for commissions and brokerage.....	96,964 76
Amount paid for State, national and local taxes.....	11,918 79
All other expenditures.....	33,497 32
Aggregate cash expenditure during the year.....	<u>\$437,913 25</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$106,238,952 00
Total premiums received, from organization of company to date..	2,700,598 00
Total losses paid from organization of company to date.....	1,225,628 00

VI. BUSINESS IN MINNESOTA, 1878

Amount of risks taken.....	\$594,800 00
Amount of premiums received.....	5,910 05
Amount of losses paid.....	2,139 45
Amount of losses incurred, claimed and unclaimed.....	2,139 45

WESTCHESTER INSURANCE COMPANY.

NEW YORK.

Principal Office, New York City.

(Organized and commenced business, April, 1837.)

GEORGE J. PENFIELD, President.

GEO. R. CRAWFORD, Secretary.

Attorney to accept service in Minnesota, C. H. BIGELOW, St. Paul.

Paid up Capital Stock.....	\$300,000 00
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I. ASSETS.

Value of unincumbered real estate owned	\$33,707 43
Amount loaned on real estate security (first liens)	165,450 00
Interest due and accrued on bond and mortgage loans.....	4,297 35
Market value of bonds and stocks owned.....	517,018 75
Amount loaned on collateral security.....	8,600 00
Cash on hand and in bank.....	38,982 02
Interest due and accrued on collateral loans	372 05
Premiums in due course of collection.....	62,781 01
All other property, viz: rents due and accrued.....	1,150 00
Aggregate amount of all actual, available assets.....	<u>\$832,765 61</u>

II. LIABILITIES.

Net amount of unpaid losses.....	\$47,753 00
Amount required to safely re-insure all outstanding risks.....	302,959 50
All other demands against the company.....	6,434 24
Total liabilities, except capital and net surplus.....	<u>\$357,146 74</u>
Joint stock capital paid up in cash.....	300,000 00
Surplus beyond capital.....	175,618 87
Aggregate liabilities, including paid up capital and surplus.	<u>\$832,765 61</u>

III. INCOME, 1878.

Net cash actually received for premiums.....	\$508,175 60
Interest received on bonds and mortgages.....	11,960 47
Interest and dividends received from all other sources.....	28,971 76
Total income.....	<u>\$549,107 83</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$361,499 74
Cash dividends actually paid.....	30,024 00
Salaries of officers, clerks and other employes, and office expenses	29,100 00
Paid for commissions and brokerage.....	92,566 40
Amount paid for state, national and local taxes.....	14,016 68
All other expenditures.....	72,272 55
Aggregate cash expenditures during the year.....	<u>\$599,479 37</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.	\$64,563,531 00
Total premiums received, from organization of company to date.	6,118,520 00
Total losses paid from organization of company to date.....	3,345,494 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$ 801,430 00
Amount of premiums received	7,149 60
Amount of losses paid.....	14,275 40
Amount of losses incurred, claimed and unclaimed	13,116 76

WILLIAMSBURGH CITY INSURANCE COMPANY.

NEW YORK.

Principal Office, Brooklyn.

(Organized and commenced business, March, 1853.)

EDMUND DUGGS, President.

N. W. MESEROLE, Secretary.

Attorney to accept service in Minnesota, GEO. W. LAMSON, St. Paul.

Paid up Capital Stock...	\$250,000 00
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I. ASSETS.

Value of unincumbered real estate owned	\$90,741 55
Amount loaned on real estate security (first liens).....	251,370 00
Interest due and accrued on bond and mortgage loans.....	5,830 07
Market value of bonds and stocks owned.....	435,510 50
Amount loaned on collateral security.....	72,568 00
Cash on hand and in bank.....	35,266 67
Interest due and accrued on bonds and stocks not included in market value.....	6,891 99
Interest due and accrued on collateral loans.....	1,138 17
Premiums in due course of collection.....	31,119 46
All other property, viz.: Rents due and accrued.....	272 00

Aggregate amount of all actual, available assets.....	\$930,708 41
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II. LIABILITIES.

Net amount of unpaid losses.....	\$ 26,574 32
Amount required to safely re-insure all outstanding risks.....	196,682 60
All other demands against the company.....	7,134 57
Total liabilities, except capital and net surplus.....	\$230,391 49
Joint stock capital paid up in cash.....	250,000 00
Surplus beyond capital.....	450,316 92

Aggregate liabilities, including paid up capital and surplus.	\$930,708 41
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III. INCOME, 1878.

Net cash actually received for premiums.....	\$357,477 06
Interest received on bonds and mortgages.....	15,613 82
Interest and dividends received from all other sources.....	27,153 14
Income from all other sources.....	1,767 39
Total income.....	<u>\$402,011 41</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses... ..	\$125,178 68
Cash dividends actually paid.....	50,150 00
Salaries of officers, clerks and other employes.....	42,924 99
Paid for commissions and brokerage.....	63,161 44
Amount paid for state, national and local taxes.....	2,149 76
All other expenditures.....	43,194 37
Aggregate cash expenditures during the year	<u>\$226,759 24</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$51,424,539 00
Total premiums received, from organization of company to date.	5,597,228 00
Total losses paid from organization of company to date.....	2,957,697 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	43,810 00
Amount of premiums received.....	498 36

BRITISH AMERICA (U. S. BRANCH) ASSURANCE
COMPANY.

CANADA.

Principal Office, Toronto.

(Organized and commenced business, 1833.)

G. PATTERSON, Governor. F. A. BALL, Manager.

Attorney to accept service in Minnesota, E. B. AMES, Minneapolis.

I. ASSETS.

Market value of bonds and stocks owned.....	\$570,937 50
Cash on hand and in bank.....	50,012 75
Interest due and accrued on deposits in Mississippi.....	900 00
Premiums in due course of collection.....	47,697 34
Bills receivable, taken for marine and inland risks.....	1,898 31
All other property, viz: salvage property and claims on losses already paid.....	634 06
Aggregate amount of all actual, available assets.....	<u>\$672,079 96</u>

Items not admitted as Assets.

Office furniture, safes and fixtures.....	\$3,160 00
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II. LIABILITIES.

Net amount of unpaid losses.....	\$47,486 57
Amount required to safely re-insure all outstanding risks.....	247,640 21
All other demands against the company	6,265 40
Total liabilities, except net surplus.....	<u>\$301,392 18</u>
Surplus beyond liabilities.....	370,687 78
Aggregate liabilities, including surplus.....	<u>\$672,079 96</u>

III. INCOME, 1878.

Net cash actually received for premiums.....	\$446,096 91
Interest and dividends received from all other sources.....	22,353 08
Total income.....	<u>\$468,449 99</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$267,522 10
Salaries of officers, clerks and other employes.....	4,500 00
Paid for commissions and brokerage.....	96,379 46
Amount paid for State, national and local taxes.....	12,992 47
All other expenditures.....	65,263 25
Aggregate cash expenditures during the year.....	<u>\$446,657 28</u>

V. MISCELLANEOUS.

Total amount of outstanding risks, Dec. 31, 1878.....	\$41,040,630 00
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VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$446,126 00
Amount of premiums received.....	8,427 84
Amount of losses paid.....	2,259 77
Amount of losses incurred, claimed and unclaimed.....	8,204 77

COMMERCIAL UNION (U. S. BRANCH) INSURANCE COMPANY.

Principal Office in United States, 37 and 39 Wall St., N. Y.

(Organized and commenced business, October, 1861.)

ALFRED PELL, Manager.

Attorney to accept service in Minnesota, C. H. BIGELOW, St. Paul.

I. ASSETS.

Market value of bonds and stocks owned.....	\$1,277,996 00
Cash on hand and in bank.....	80,729 62
Premiums in due course of collection.....	135,320 43
Aggregate amount of all actual, available assets.....	<u>\$1,494,046 05</u>

II. LIABILITIES.

Net amount of unpaid losses.....	\$48,334 95
Amount required to safely re-insure all outstanding risks	512,475 81
All other demands against the company.....	20,582 37
Total liabilities.....	<u>\$581,393 13</u>
Surplus beyond liabilities.....	912,652 92
Aggregate liabilities, including surplus.....	<u>\$1,494,046 05</u>

III. INCOME, 1878.

Net cash actually received for premiums.....	\$891,324 10
Interest and dividends received from all other sources.....	49,618 50
Total income.....	<u>\$940,942 60</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$418,786 08
Salaries of officers, clerks and other employes.....	53,148 41
Paid for commission and brokerage	133,683 50
Amount paid for State, naational and local taxes.....	15,796 13
All other expenditures.....	55,360 17
Aggregate cash expenditures during the year.....	\$676,774 29

V. MISCEELANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$98,453,932 00
Total premiums received, from organization of company to date.	5,023,572 00
Total losses paid from organization of company to date.....	2,737,282 00

VI. BUSINESS IN MINNESOTA, 1878:

Amount of risks taken.....	\$816,388 00
Amount of premiums received.....	13,261 19
Amount of losses paid.....	10,133 36
Amount of losses incurred, claimed and unclaimed.....	9,134 00

HAMBURG BREMEN INSURANCE COMPANY—U. S.

BRANCH.

HAMBURG, GERMANY.

Principal Office, Hamburg.

(Organized and commenced business, ———, 18—.)

WM. GOSSLER, President.

ALFRED KLANHOLD, Manager.

Attorney to accept service in Minnesota, JAMES H. WEED, St. Paul.

I. ASSETS.

Market value of bonds and stocks owned.....	\$ 702,070 00
Cash on hand and in bank.....	40,675 60
Premiums in due course of collection.....	35,508 97
Aggregate amount of all actual, available Assets.....	\$ 778,254 57

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 34,570 00
Amount required to safely re-insure all outstanding risks.....	196,023 94
Total liabilities, except net surplus.....	\$ 230,593 94
Surplus beyond liabilities.. . . .	547,660 63
Aggregate liabilities, including surplus.....	\$ 778,254 57

III. INCOME, 1878.

Net cash actually received for premiums.....	\$ 373,527 75
Interest and dividends received from all other sources.....	30,119 71
Total income.....	\$ 403,647 46

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$170,069 63
Salaries of officers, clerks and other employes.....	16,375 50
Paid for commissions and brokerage.....	78,377 14
Amount paid for state, national and local taxes.....	7,661 89
All other expenditures.....	22,628 90
Aggregate cash expenditures during the year.....	\$295,113 06

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$35,419,897 00
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VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$488,731 00
Amount of premiums received.....	7,722 47
Amount of losses paid.....	6,404 35
Amount of losses incurred, claimed and unclaimed.....	4,428 33

IMPERIAL INSURANCE COMPANY—U. S. BRANCH.

Principal Office, 33 Pine St., New York.

(Organized and commenced business, 1803.)

R. D. ALLIGER, Manager for U. S.

Attorney to accept service in Minnesota, C. H. BIGELOW, St. Paul.

I. ASSETS.

Value of unincumbered real estate owned.....	\$ 165,500 00
Market value of bonds and stocks owned.....	694,016 00
Cash on hand and in bank.....	22,994 00
Premiums in due course of collection.....	16,527 00
Aggregate amount of all actual, available assets.....	<u>\$899,037 00</u>

II. LIABILITIES.

Net amount of unpaid losses....	\$ 22,898 00
Amount required to safely re-insure all outstanding risks	213,568 00
All other demands against the company.....	1,123 00
Total liabilities, except net surplus.....	<u>\$237,589 00</u>
Surplus beyond liabilities.....	661,448 00
Aggregate liabilities, including surplus.....	<u>\$899,037 00</u>

III. INCOME, 1878.

Net cash actually received for premiums.....	\$372,501 00
Interest and dividends received from all other sources.	32,623 00
Income from all other sources.....	5,879 00
Total income	<u>\$411,008 00</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$176,976 00
Salaries of officers, clerks and other employes.....	25,504 00
Paid for commissions and brokerage.....	62,002 00
Amount paid for state, national and local taxes.....	13,464 00
All other expenditures	21,142 00
Aggregate cash expenditures during the year.....	<u>\$299,088 00</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$35,287,671 00
Total premiums received, from organization of company to date in U. S.....	7,024,196 00
Total losses paid from organization of company to date in U. S..	4,850,434 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$336,338 00
Amount of premiums received.....	6,783 00
Amount of losses paid.....	9,826 00
Amount of losses incurred, claimed and unclaimed.....	7,914 00

LA CAISSE INSURANCE COMPANY--U. S. BRANCH.

FRANCE.

Principal Office, Paris.

(Organized and commenced business, December, 1858.)

CHARLES LECESNE, President.

CHARLES LABROUSSE, Secretary.

Attorney to accept service in Minnesota, CHARLES SHANDREW, St. Paul.

I. ASSETS.

Market value of bonds and stocks owned	\$349,440 00
Cash on hand and in bank.....	39,700 00
Premiums in due course of collection.....	59,083 94
All other property, viz: salvage.....	1,266 67
Aggregate amount of all actual, available assets.....	\$449,490 61

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 22,435 95
Amount required to safely re-insure all outstanding risks.....	155,201 09
All other demands against the company....	1,800 00
Total liabilities, except net surplus.....	\$179,437 04
Surplus beyond liabilities.....	270,053 57
Aggregate liabilities, including surplus.....	\$449,490 61

III. INCOME, 1878.

Net cash actually received for premiums.....	\$356,149 17
Interest and dividends received from all other sources.....	14,411 05
Income from all other sources, viz.: from Paris office.....	60,000 00
Total income.....	\$430,560 22

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$205,500 66
Salaries of officers, clerks and other employes.....	14,220 18
Paid for commissions and brokerage.....	105,734 89
Amount paid for State, national and local taxes.....	2,400 00
All other expenditures.....	12,179 04
Aggregate cash expenditures during the year.....	\$340,034 77

V. MISCELLANEOUS.

Total amount of outstanding risks, Dec. 31, 1878.....	\$23,543,548 00
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VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$559,397 00
Amount of premiums received.....	7,440 11
Amount of losses paid.....	6,359 86
Amount of losses incurred, claimed and unclaimed.....	8,859 86

LANCASHIRE INSURANCE COMPANY.—U. S. BRANCH.
ENGLAND.

Principal Office, Manchester, England.

HENRY ROBERTSON. Manager, New York.

Attorney to accept services in Minnesota, S. S. EATON, St. Paul.

I. ASSETS.

Market value of bonds and stocks owned.....	\$760,750 00
Cash on hand and in bank.....	125,528 38
Premiums in due course of collection.....	40,026 62
Aggregate amount of all actual, available assets.....	\$826,305 00

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 58,658 88
Amount required to safely re-insure all outstanding risks.....	374,331 99
All other demands against the company.....	3,000 00
Total liabilities, except net surplus.....	<u>\$435,990 87</u>
Surplus beyond liabilities.....	390,314 13
Aggregate liabilities, including surplus.....	<u>\$826,305 00</u>

III. INCOME, 1878.

Net cash actually received for premiums.....	\$661,993 81
Interest and dividends received from all other sources.....	292 38
Total income.....	<u>\$662,286 19</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$305,175 41
Salaries of officers, clerks and other employes.	86,754 96
Paid for commissions and brokerage.....	99,299 07
Amount paid for state, national and local taxes.....	15,473 44
Aggregate cash expenditures during the year.....	<u>\$506,702 88</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$61,607,057 00
Total premiums received, from organization of company to date.	3,570,003 00
Total losses paid from organization of company to date.....	1,817,205 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of premiums received	\$8,851 63
Amount of losses paid.....	10,549 60
Amount of losses incurred, claimed and unclaimed.....	10,549 60

LIVERPOOL AND LONDON AND GLOBE INSURANCE COMPANY—U. S. BRANCH.

ENGLAND.

Principal Office, in U. S., 45 William St., New York.

(Organized and commenced business in U. S., 1851.)

JAS. E. PULSFORD, Manager, New York.

Attorney to accept service in Minnesota, JOHN S. PRINCE, St. Paul.

I. ASSETS.

Value of unincumbered real estate owned.....	\$520,700 00
Amount loaned on real estate security, (first liens)....	1,216,719 33
Market value of bonds and stocks owned.....	1,810,887 50
Cash on hand and in bank.....	328,147 87
Interest due and accrued on bonds and stocks not included in market value.....	32,999 06
Premiums in due course of collection.....	339,050 66
All other property, viz: Rents due and accrued.....	2,261 04
Aggregate amount of all actual, available assets.....	<u>\$4,250,765 46</u>

Items not Admitted as Assets.

Loans on life policies.....	\$ 3,548 65
All notes for fire insurance premiums.....	47,582 96
Total.....	<u>\$51,131 61</u>

II. LIABILITIES.

Net amount of unpaid losses.....	\$308,784 13
Amount required to safely re-insure all outstanding risks.....	2,042,089 72
All other demands against the Company.....	79,632 01
Total liabilities, except net surplus.....	<u>\$2,430,505 86</u>
Surplus beyond liabilities.....	1,820,259 60
Aggregate liabilities, including surplus.....	<u>\$4,250,765 46</u>

III. INCOME, 1878.

Net cash actually received for premiums.....	\$2,422,126 49
Interest and dividends received from all other sources.....	133,809 24
Income from all other sources.....	44,647 61
Total income.....	\$2,600,583 34

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$1,266,619 09
Salaries of officers, clerks and other employes.....	147,254 67
Paid for commissions and brokerage.....	361,479 99
Amount paid for state, national and local taxes.....	50,024 81
All other expenditures.....	145,841 27
Aggregate cash expenditures during the year.....	\$1,971,219 83

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$301,654,382 00
Total premiums received, from organization of company to date.	40,938,227 00
Total losses paid from organization of company to date.....	24,177,268 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$1,686,712 00
Amount of premiums received.....	15,913 18
Amount of losses paid.....	12,370 45
Amount of losses incurred, claimed and unclaimed.....	12,370 45

LONDON ASSURANCE CORPORATION—U. S. BRANCH.

ENGLAND.

Principal Office in U. S., 88 Wall St., N. Y.

(Organized and commenced business in U. S., July, 1872.)

B. LOCKWOOD, Manager.

Attorney to accept service in Minnesota, ISAAC McNAIR, Minneapolis.

I. ASSETS.

Amount loaned on real estate security.....	7,044 51
Market value of bonds and stocks owned.....	995,125 00
Cash on hand and in bank.....	99,215 97
Premiums in due course of collection.....	21,677 03
Aggregate amount of actual, available assets.....	<u>\$1,123,062 51</u>

II. LIABILITIES.

Net amount of unpaid losses.....	18,600 00
Amount required to safely re-insure all outstanding risks.....	301,455 91
Total liabilities, except net surplus.....	<u>\$320,055 91</u>
Surplus beyond liabilities.....	803,006 60
Aggregate liabilities, including surplus.....	<u>\$1,123,062 51</u>

III. INCOME, 1878.

Net cash actually received for premiums....	\$479,641 95
Interest and dividends received from all other sources.....	<u>40,165 18</u>
Total income.....	<u>\$519,807 13</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$162,853 62
Salaries of officers, clerks and other employes.....	23,221 94
Paid for commission and brokerage.....	73,941 07
Amount paid for State, national and local taxes.....	16,884 50
All other expenditures.....	<u>89,417 73</u>
Aggregate cash expenditures during the year.....	<u>\$366,318 86</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$60,394,682 00
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VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$296,600 00
Amount of premiums received.....	3,979 14
Amount of losses paid.....	2,695 48
Amount of losses incurred, claimed and unclaimed.....	<u>2,695 48</u>

NORTHERN ASSURANCE COMPANY—U. S. BRANCH.
ENGLAND.

Principal Office, 33 Pine St., N. Y.

(Organized and commenced business, 1836.)

R. D. ALLIGER, Manager for the U. S.

Attorney to accept service in Minnesota, C. H. BIGELOW, St. Paul.

I. ASSETS.

Market value of bonds and stocks owned.....	623,559 00
Cash on hand and in bank.....	31,824 00
Premiums in due course of collection.....	16,527 00
Aggregate amount of all actual, available assets.....	<u>\$671,910 00</u>

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 15,232 00
Amount required to safely re-insure all outstanding risks.....	209,730 00
All other demands against the company.....	1,123 00
Total liabilities, except net surplus.....	<u>\$226,085 00</u>
Surplus beyond liabilities.....	445,825 00
Aggregate liabilities, including surplus.....	<u>\$671,910 00</u>

III. INCOME, 1878.

Net cash actually received for premiums.....	\$372,135 00
Interest and dividends received from all other sources.....	27,584 00
Total income.....	<u>\$399,719 00</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$162,664 00
Salaries of officers, clerks and other employes.....	25,504 00
Paid for commissions and brokerage.....	62,921 00
Amount paid for state, national and local taxes.....	13,464 00
All other expenditures.....	19,991 00
Aggregate cash expenditures during the year.....	<u>\$284,544 00</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$33,965,164 00
Total premiums received, from organization of company to date.	1,124,433 00
Total losses paid from organization of company to date.....	408,901 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken	\$336,338 00
Amount of premiums received.....	6,783 00
Amount of losses paid.....	9,526 00
Amount of losses incurred, claimed and unclaimed.....	7,914 00

NORTH BRITISH AND MERCANTILE INSURANCE COMPANY—U. S. BRANCH.

OF GREAT BRITAIN.

Principal Office, 54 William St., New York.

(Organized and commenced business in U. S., December, 1866.)

CHAS. E. WHITE and S. P. BLAGDEN, Managers.

Attorney to accept service in Minnesota, S. C. GALE, Minneapolis.

I. ASSETS.

Market value of bonds and stocks owned	\$1,546,978 87
Cash on hand and in bank.....	103,392 92
Premiums in due course of collection.....	129,643 18
Bills receivable, taken for marine and inland risks.....	2,848 26
Aggregate amount of all actual, available assets....	\$1,782,863 23

II. LIABILITIES.

Net amount of unpaid losses.....	\$101,012 28
Amount required to safely re-insure all outstanding risks.....	720,700 04
Total liabilities, except net surplus.....	\$ 821,712 32
Surplus beyond liabilities.....	961,150 91
Aggregate liabilities, including surplus.....	\$1,782,863 23

III. INCOME, 1878.

Net cash actually received for premiums.....	\$1,153,411 19
Interest and dividends received from all other sources.....	77,866 78
Income from all other sources.....	481 06
Total income.....	\$1,231,759 03

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$ 575,151 48
Salaries of officers, clerks and other employes.....	82,287 03
Paid for commissions and brokerage.....	155,901 71
Amount paid for State, national and local taxes.....	29,841 44
All other expenditures.....	79,644 15
Aggregate cash expenditures during the year.....	\$922,825 81

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$129,386,401 00
Total premiums received, from organization of company to date.	14,217,792 00
Total losses paid from organization of company to date.....	9,748,381 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$1,283,441 00
Amount of premiums received ...	19,016 27
Amount of losses paid.....	22,020 68
Amount of losses incurred, claimed and unclaimed.....	21,893 48

NORTH GERMAN INSURANCE COMPANY*—U. S.
BRANCH.

GERMANY.

Principal Office in U. S., 202 Broadway, N. Y.

(Organized and commenced business in U. S., December, 1877.)

C. KUHL, Manager, New York.

Attorney to accept service in Minnesota, I. F. A. STUDDART, St. Paul.

I. ASSETS.

Market value of bonds and stocks owned.....	\$313,726 25
Cash on hand and in bank.....	30,198 82
Premiums in due course of collection.....	13,679 38
Aggregate amount of all actual, available assets.....	<u>\$357,604 45</u>

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 17,538 93
Amount required to safely re-insure all outstanding risks.....	76,027 19
Total liabilities, except net surplus.....	<u>\$93,566 12</u>
Surplus beyond capital liabilities.....	264,038 33
Aggregate liabilities, including surplus.....	<u>\$357,604 45</u>

III. INCOME, 1878.

Net cash actually received for premiums.....	\$168,240 03
Interest and dividends received from all other sources.....	12,415 73
Total income.....	<u>\$180,655 76</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$48,607 52
Salaries of officers, clerks and other employes.....	15,197 45
Paid for commissions and brokerage.....	30,352 57
Amount paid for state, national and local taxes.....	3,589 63
All other expenditures.....	15,887 26
Aggregate cash expenditures during the year.....	<u>\$113,634 43</u>

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$13,121,365 00
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VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$297,755 00
Amount of premiums received.....	3,093 24
Amount of losses paid.....	15 50
Amount of losses incurred, claimed and unclaimed.....	15 50

QUEEN INSURANCE COMPANY.—U. S. BRANCH.

ENGLAND.

Principal Office, 37 & 39 Wall St., New York.

(Organized and commenced business, May, 1866.)

WM. H. ROSS, Manager.

Attorney to accept service in Minnesota, A. R. MCGILL, St. Paul.

I. ASSETS.

Value of unincumbered real estate owned.....	\$292,042 96
Market value of bonds and stocks owned.....	1,225,800 00
Cash on hand and in bank.....	91,943 93
Premiums in due course of collection.....	22,252 74
All other property, viz.: rents due and accrued.....	2,752 00
Aggregate amount of all actual, available assets.....	\$1,634,791 63

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 84,029 96
Amount required to safely re-insure all outstanding risks.....	535,079 30
Total liabilities, except net surplus.....	\$619,109 35
Surplus beyond liabilities.....	1,015,682 28
Aggregate liabilities, including surplus.....	\$1,634,791 63

III. INCOME, 1878.

Net cash actually received for premiums.....	\$907,603 22
Interest and dividends received from all other sources.....	61,558 92
Income from all other sources.....	6,816 56
Total income.....	\$975,978 70

IV. EXPENDITURES, 1878.

Net amount paid for losses	\$481,316 83
Salaries of officers, clerks and other employes.....	42,919 90
Paid for commissions and brokerage.....	161,285 87
Amount paid for state, national and local taxes.....	20,865 15
All other expenditures.....	50,834 63

Aggregate cash expenditures during the year..... \$757,222 38

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$92,630,994 00
Total premiums received, from organization of company to date.	8,500,309 00
Total losses paid from organization of company to date.....	5,099,668 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken	\$393,600 00
Amount of premiums received.....	5,778 82
Amount of losses paid.....	9,922 51
Amount of losses incurred, claimed and unclaimed.....	4,381 77

ROYAL INSURANCE COMPANY.—U. S. BRANCH.

ENGLAND.

Principal Office, Liverpool.

CHARLES H. CASE, Manager for the Northwestern States, Chicago.

Attorney to accept service in Minnesota, S. S. EATON, St. Paul.

I. ASSETS.

Market value of bonds and stocks owned.....	\$2,309,559 37
Cash on hand and in bank.....	213,361 06
Interest due and accrued on bonds and stocks not included in market value.....	48,750 00
Premiums in due course of collection.....	156,220 55
Bills receivable, taken for marine and inland risks.	600 00

Aggregate amount of all actual, available assets..... \$2,728,490 98

II. LIABILITIES.

Net amount of unpaid losses.....	\$140,120 87
Amount required to safely re-insure all outstanding risks.....	1,290,400 76
All other demands against the company.....	38,722 91
Total liabilities, except net surplus.....	\$1,469,244 54
Surplus beyond liabilities.....	1,259,246 44
Aggregate liabilities, including surplus.....	\$2,728,490 98

III. INCOME, 1878.

Net cash actually received for premiums.....	\$1,622,728 95
Interest and dividends received from all other sources.....	108,555 71
Income from all other sources.....	444 80
Total income.....	\$1,731,729 46

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$726,089 99
Salaries of officers, clerks and other employes.....	108,338 52
Paid for commissions and brokerage.....	299,528 44
Amount paid for state, national and local taxes.....	38,093 02
All other expenditures.....	73,966 16
Aggregate cash expenditures during the year.....	\$1,246,016 13

V. MISCELLANEOUS.

Total amount of outstanding risks, Dec. 31, 1878.....	\$203,312,186 00
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VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$647,438 00
Amount of premiums received.....	7,666 05
Amount of losses paid.....	19,178 25
Amount of losses incurred, claimed and unclaimed.....	19,178 25

ROYAL CANADIAN INSURANCE COMPANY—U. S. BRANCH.

CANADA.

Principal Office, Montreal.

(Organized and commenced business, August, 1873.)

ANDREW ROBERTSON, President.

ARTHUR GAGNON, Secretary.

Attorney to accept service in Minnesota, ISAAC MCNAIR, Minneapolis.

I. ASSETS.

Market value of bonds and stocks owned.....	\$529,000 00
Cash on hand and in bank.....	10,794 89
Interest due and accrued on bonds and stocks not included in market value.....	8,700 00
Premiums in due course of collection.....	76,738 53
Bills receivable, taken for marine and inland risks.....	3,113 50
Aggregate amount of all actual, available assets.....	<u>\$628,346 92</u>

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 50,291 71
Amount required to safely re-insure all outstanding risks.....	232,586 04
Total liabilities, except net surplus.....	<u>\$282,877 75</u>
Surplus beyond liabilities.....	345,469 17
Aggregate liabilities, including surplus.....	<u>\$628,346 92</u>

III. INCOME, 1878.

Net cash actually received for premiums.....	\$396,095 87
Interest received on bonds.....	24,900 00
Total income.....	<u>\$420,995 87</u>

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$276,752 45
Salaries of officers, clerks and other employes.....	81,873 24
Paid for commissions and brokerage.....	69,973 48
Amount paid for state, national and local taxes	11,618 86
Aggregate cash expenditures during the year.....	<u>\$440,218 03</u>

V. MISCELLANEOUS.

Total amount of outstanding risks, Dec. 31, 1878.....	\$35,437,800 00
Total premiums received, from organization of company to date.	5,431,139 00
Total losses paid from organization of company to date.....	<u>3,305,322 00</u>

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken	\$296,075 00
Amount of premiums received	4,835 86
Amount of losses paid.....	11,379 62
Amount of losses incurred claimed and unclaimed... ..	<u>13,379 62</u>

SCOTTISH COMMERCIAL INSURANCE COMPANY—U. S.
BRANCH.

SCOTLAND.

Principal Office in U. S., 42 Pine St., N. Y.

(Organized and commenced business January, 1873.)

E. W. CROWELL, Manager.

Attorney to accept service in Minnesota, E. B. AMES, Minneapolis.

I. ASSETS.

Market value of bonds and stocks owned.....	\$591,044 13
Cash on hand and in bank.....	24,217 82
Premiums in due course of collection.....	61,482 01
Aggregate amount of all actual, available assets.....	<u>\$676,743 96</u>

II. LIABILITIES.

Net amount of unpaid losses.....	\$ 49,661 23
Amount required to safely re-insure all outstanding risks.....	323,187 95
All other demands against the Company.....	13,713 69
Total liabilities, except net surplus.....	\$386,562 87
Surplus beyond liabilities.....	290,181 09
Aggregate liabilities, including surplus.....	\$676,743 96

III. INCOME.

Net cash actually received for premiums.....	\$525,161 65
Interest and dividends received from all other sources.....	32,032 93
Income from all other sources.....	1,500 00
Total income.....	\$558,694 58

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$317,736 32
Salaries of officers, clerks and other employes.....	48,700 54
Paid for commissions and brokerage.....	91,934 24
Amount paid for State, national and local taxes.....	20,414 08
All other expenditures.....	40,833 74
Aggregate cash expenditures for the year.....	\$519,668 92

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$58,598,620 00
Total premiums received, from organization of company to date.....	2,080,183 00
Total premiums paid from organization of company to date.....	1,013,419 00

VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$829,720 00
Amount of premiums received.....	14,745 38
Amount of losses paid.....	11,176 74
Amount of losses incurred, claimed and unclaimed.....	12,229 69

WESTERN ASSURANCE COMPANY—U. S. BRANCH.

CANADA.

Principal Office, Toronto.

(Organized and commenced business, 1851.)

JOHN McMURICH, President.

J. J. KENNEY, Secretary.

Attorney to accept service in Minnesota, JOHNSON & KING, St. Paul.

I. ASSETS.

Market value of bonds and stocks owned	527,015 00
Cash on hand and in bank.....	49,289 75
Premiums in due course of collection.....	47,069 21
Bills receivable, taken for marine and inland risks.....	1,931 25
All other property, viz.: Due from other companies.....	1,890 93
	<hr/>
Aggregate amount of all actual, available assets.....	\$627,196 14

II. LIABILITIES.

Net amount of unpaid losses.....	\$29,385 19
Amount required to safely re-insure all outstanding risks.....	221,523 42
All other demands against the company.....	9,413 84
	<hr/>
Total liabilities, net surplus.....	\$260,322 45
Surplus beyond liabilities.....	366,873 69
	<hr/>
Aggregate liabilities, surplus.....	\$627,196 14

III. INCOME, 1878.

Net cash actually received for premiums.....	\$445,293 06
Interest received on bonds.....	18,105 20
	<hr/>
Total income.....	\$463,398 26

IV. EXPENDITURES, 1878.

Net amount paid for losses.....	\$213,343 75
Paid for commissions and brokerage.....	89,734 13
Amount paid for state, national and local taxes.....	14,135 04
All other expenditures, including salaries.....	42,850 55
	<hr/>
Aggregate cash expenditures during the year	\$360,063 47

V. MISCELLANEOUS.

Total amount of outstanding risks Dec. 31, 1878.....	\$42,590,606 00
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VI. BUSINESS IN MINNESOTA, 1878.

Amount of risks taken.....	\$281,733 00
Amount of premiums received.....	4,815 02
Amount of losses paid.....	7,462 00
Amount of losses incurred, claimed and unclaimed.....	11,407 00

EIGHTH ANNUAL REPORT

OF THE

INSURANCE COMMISSIONER

OF THE

STATE OF MINNESOTA.

PART SECOND,

LIFE INSURANCE,

MINNEAPOLIS :
JOHNSON, SMITH & HARRISON.
1879.

INSURANCE COMMISSIONER'S REPORT.

PART II.

LIFE INSURANCE.

MAY 15th, 1879.

There are twenty-one life insurance companies lawfully authorized to do business in this State at the date hereof, namely :

1. Ætna Life Insurance Company....Hartford, Ct.
2. Connecticut Mutual.....Hartford, Ct.
3. Continental.....Hartford, Ct.
4. Equitable.....New York City.
5. Germania.....New York City.
6. Home.....New York City.
7. Massachusetts Mutual.....Springfield, Mass.
8. Mutual Benefit.....Newark, N. J.
9. Mutual.....New York City.
10. National.....Montpelier, Vt.
11. National U. S. of A.....Chicago, Ill.
12. New England Mutual.....Boston, Mass.
13. New York Life.....New York City.
14. Northwestern Mutual.....Milwaukee, Wis.
15. Pacific Mutual.....Sacramento, Cal.
16. Phoenix Mutual.....Hartford, Ct.
17. State Mutual.....Worcester, Mass.
18. Travelers' (Life and Casualty).....Hartford, Ct.
19. United States.....New York City.
20. Union Mutual.....Augusta, Me.
21. Washington.....New York City.

All of the above named companies make favorable statements and most of them show increased ratios of assets to liabilities.

CHANGES.

The number of life companies now doing business in this State, whose business is detailed in the tables herewith, is the same exactly as the number given in the last report from this department published one year ago. But the list of companies is not entirely the same. For instance, the Continental of Hartford, which was not included in the tables of the last report, nor in the list of authorized companies published therewith, because of certain inquiries in regard to its standing then being made, is restored to its proper place in these pages. Indeed it was readmitted before the last report was fully published, as therein stated, but not in time to include it in the tables.

The Metropolitan of New York has withdrawn since the issuance of the last report. Its efforts to obtain business in Minnesota were not well rewarded.

The Railway Passenger Casualty Insurance Company has ceased to exist as a separate organization, and has been absorbed by the Travelers of Hartford—a very staunch company, both in its life and accident departments.

But one life company was newly admitted during the year, namely, the State Mutual of Worcester, Mass. It was admitted in August, 1878.

These are the only changes to be noted in the last year.

Other Companies.

THE CHARTER OAK, HARTFORD.

This company has filed a statement in this office showing \$8,745,662.78 of assets and \$8,142,864.99 of liabilities, the surplus being \$602,815.80. The net reinsurance reserve charged amounts—according to the American experience table with $4\frac{1}{2}$ per cent. interest—to \$7,436,303. Over ninety per cent. of the policy holders have scaled their policies down forty per cent. below the amount of their claims, and the company is now authorized in its own State to do new business, the injunction of the court having been removed and the Insurance Commissioner of Connecticut having issued to it the necessary and usual certificate of authority. The new management of the company seems to be prudent and deserving of confidence. The policy holders of the Charter Oak may congratulate themselves that their company was prevented from falling into the hands of a receiver. The scaling process has cer-

tainly worked well in this case—it has resulted in saving to the policy holders the company's assets. True, they have been obliged to relinquish a large percentage of their claims, but the fact remains that they save to themselves *all* the assets of the company, and not only that, but preserve and perpetuate the company organization, by and through which the benefits of the policy contracts will yet be realized. Much credit is due to Insurance Commissioner Stedman for this happy result in the affairs of the Charter Oak. But for his kindly interference it would probably have been placed in the hands of a receiver on the first discovery of its insolvency, and by this time its assets profligately squandered—to the extent at least of hundreds of thousands of dollars, *vide* the Continental of New York.

The Company has not yet been readmitted to this State, and will not be until its statement has been thoroughly verified.

THE UNIVERSAL OF NEW YORK.

It has now been two years and more since an examination made by the New York Insurance Department revealed the insolvency of the Universal Life Insurance Company. In April last it had so far succeeded in its efforts, by the scaling process, to reduce its liabilities as, upon showing, to obtain the order of the court annulling all orders and injunctions previously issued prohibiting it from doing new business. It was made a condition of this order that all lapsed policies on the lives of policy holders who can produce the usual certificates of health, shall be restored at any time up to December 1, 1879; upon due payment of past due premiums with interest.

THE GLOBE, NEW YORK.

At the date of the issuance of the last annual report on life insurance from this office it was stated that this company was then undergoing an examination, and that its readmission to the State would depend upon the result thereof. A result was soon reached which showed it to be in a very unsatisfactory condition—the victim of bad and dishonest management—and it was not, therefore, re-admitted. Unless the scaling process is resorted to, or some other expedient adopted to save the company, it will probably go into the hands of a receiver soon.

LIFE ASSOCIATION OF AMERICA, ST. LOUIS.

At the close of 1878 this Company had, according to the statement of Commissioner of Missouri, a clear net surplus of \$125,000

on the basis of values fixed in his examination of January, 1878. But it has been for years and now is the victim of litigation. Owing to attacks made upon it and suits pending against it, new business has been out of the question. Should the pending suits be decided against the company it will probably have to be closed up; but should it come off victorious in the courts, then, with prudent management in the future, there is no reason why it should not regain its lost prestige and re-establish itself in the public confidence.

COMPARATIVE RESULTS.

A comparative view of the number, financial standing and general business for the years 1877 and 1878 of the life insurance companies doing business in this State during these years, is afforded by the following :

	1877.	1878.
Total number of companies operating in the State.....	21	21
Aggregate of admitted assets.....\$	353,384,000 51	\$ 364,001,764 00
Aggregate liability as to policy holders...	301,734,868 34	306,448,557 00
Aggregate surplus as to policy holders...	51,649,132 17	57,553,207 00
Ratio of assets to liabilities.....	117	118
Aggregate income.....\$	77,107,900 11	\$ 72,834,878 00
Aggregate expenditures.....	65,971,271 05	64,449,416 00
Excess of income over expenditures.....	11,136,629 06	8,385,462 00
Ratio of expenditure to income.....	85.55	88.48
Number of policies in force Dec. 31.....	550,381	539,221
Net decrease during the year.....	20,415	11,160
Amount of outstanding insurance December 31.....\$	1,367,956,339 00	\$ 1,313,509,024 00
Net decrease during the year.....	46,327,219 00	54,447,315 00
Number of policies terminated by death and maturity.....	6,764	9,613
Amount of losses by death and maturity..\$	17,702,515 00	\$ 24,685,186 00

The above shows a considerable increase of aggregate assets over the previous year, and an increase in the ratio of assets to liabilities. The aggregate income shows a material falling off—greater, proportionately, than the diminution of expenditures, leaving the ratio of expenditures to income greater than the previous year. The net decrease of number of policies in force was 11,160 for 1878 against 20,415 for 1877. The number and amount of policies terminated by death and maturity, are largely increased.

ADDITIONAL FACTS.

Number of policies issued during the year.....	57,147
Amount insured thereby.....	\$ 136,969,446 00
Number of policies terminated during the year.....	76,271
Amount of insurance covered by said policies.....\$	196,084,232 00

The terminations were as follows:

By death and maturity.....	9,613
By expiration.....	3,686
By surrender.....	23,432
By lapse.....	27,205
By change.....	4,891
Not taken.....	7,444
Total.....	<u>76,271</u>

RESULT.

	No. of policies.	Amount.
Terminations.....	76,271	\$196,084,232 00
New Business.....	57,147	<u>136,969,446 00</u>
Excess of terminations over new business..	9,124	\$ 59,114,786 00

ASSETS.

The aggregate assets of the companies may be classified as follows:

Loans on real estate.....	\$ 173,590,581 65
Loans on collaterals.....	2,960,067 32
Premium notes or loans.....	23,910,662 27
Value of real estate owned.....	36,894,827 94
Market value of bonds and stocks.....	103,233,009 78
Cash on hand and in bank.....	11,711,742 57
Accrued interest and rents.....	7,878,987 41
Net deferred premiums.....	3,482,428 03
All other assets.....	<u>339,457 03</u>
Total assets.....	\$ 364,001,764 00

LIABILITIES.

The total liabilities may be classified as follows:

Net re-insurance reserve.....	\$ 298,249,515 96
Total policy claims.....	5,855,245 00
All other liabilities.....	<u>2,343,796 61</u>
Total.....	\$ 306,448,557 57

INCOME.

The following shows the total income and from whence derived:

From premiums.....	\$ 51,902,994 17
From interest and dividends.....	19,904,989 87
From rents and other sources.....	<u>1,026,894 87</u>
Total.....	\$ 72,834,878 91

EXPENDITURES.

The total expenditures for 1878 were as follows:

Losses and matured endowments.....	\$	25,667,874	76
Dividends and other disbursements to policy holders.....		28,816,215	35
Total payments to policy holders.....	\$	54,484,090	11
Dividends to stockholders.....		226,213	40
Management expenses.....		9,739,112	88
Total.....	\$	64,449,416	39

TABLES.

The usual statistical tables are herewith published and may be consulted for more detailed information. Table "H" pertains exclusively to the business transacted in Minnesota in 1878.

STATISTICAL TABLES.

TABLE A.

*Showing the names and location of all Life and Casualty Insurance
together with the names of the Presidents, and
dences of the attorneys to accept*

Name of Company.	Location.	Officers.
		President.
Ætna.....	Hartford, Connecticut.....	T. O. Enders.....
Connecticut Mutual.....	Hartford, Connecticut.....	Jacob L. Greene.....
Continental.....	Hartford, Connecticut.....	J. S. Parsons.....
Equitable.....	New York City.....	H. B. Hyde.....
Germania.....	New York City.....	H. Wesendonck.....
Home.....	Brooklyn, New York.....	G. C. Ripley.....
Massachusetts Mutual.....	Springfield, Massachusetts.....	E. W. Bond.....
Mutual Benefit.....	Newark, New Jersey.....	L. C. Grover.....
Mutual.....	New York City.....	F. S. Winston.....
National.....	Montpelier, Vermont.....	Charles Dewey.....
National U. S. of A.....	Washington, D. C.....	E. W. Peet.....
New England Mutual.....	Boston, Massachusetts.....	Benj. F. Stevens.....
New York Life.....	New York City.....	Morris Franklin.....
Northwestern Mutual.....	Milwaukee, Wisconsin.....	H. L. Palmer.....
Pacific Mutual.....	Sacramento, California.....	J. H. Carroll.....
Phoenix Mutual.....	Hartford, Connecticut.....	A. C. Goodman.....
State Mutual.....	Worcester, Massachusetts.....	Isaac Davis.....
Travelers.....	Hartford, Connecticut.....	J. G. Batterson.....
United States.....	New York City.....	James Buell.....
Union Mutual.....	Augusta, Maine.....	John E. DeWitt.....
Washington.....	New York City.....	Cyrus Curtiss.....

TABLE A.

Companies, authorized to do business in Minnesota, May 1st, 1879, Secretaries thereof; also the names and residence of process in Minnesota.

Officers.	Attorneys to accept service of process in Minnesota.	
Secretary.	Names.	Residence.
J. L. English.....	C. C. Wilson.....	St. Paul.....
John M. Taylor.....	N. H. Pierce.....	Minneapolis.....
Robt. W. Beecher.....	E. P. Freeman.....	Mankato.....
Samuel Borrowe.....	Thos. Cochran, Jr.....	St. Paul.....
C. Doremus.....	F. Willus.....	St. Paul.....
J. H. Holbrook.....	C. C. Kinsman.....	Austin.....
A. J. Smith.....	B. W. Kimball.....	Minneapolis.....
E. A. Strong.....	Windom & Douglas.....	Winona.....
J. F. Lloyd.....	H. A. Gale.....	Minneapolis.....
Geo. W. Reed.....	P. D. McMillan.....	Minneapolis.....
John M. Butler.....	J. Thompson, Jr.....	Minneapolis.....
J. M. Gibbens.....	J. J. Watson.....	St. Paul.....
Willard Merrill.....	I. F. A. Studdart.....	St. Paul.....
J. C. Carroll.....	Myron Brown.....	St. Paul.....
J. M. Holcombe.....	C. Livingston.....	St. Paul.....
J. M. Holcombe.....	J. Thompson.....	Minneapolis.....
Clarendon Harris.....	A. R. McGill.....	St. Paul.....
Rodney Dennis.....	S. S. Eaton.....	St. Paul.....
C. P. Fraleigh.....	L. P. Van Norman.....	Minneapolis.....
J. P. Carpenter.....	Walter Mann.....	St. Paul.....
Wm. Haxtun.....	J. A. Sabin.....	St. Paul.....

TABLE B.

*Showing the several items comprising the total admitted ASSETS
operating in Minne*

Companies.	Loans on Real Estate Security.	Loans on Collateral Security.	Premium Notes or Loans.	Value of Real Estate Owned.
Ætna.....	\$ 10,980,536 63	\$226,520 91	\$2,982,398 33	\$ 427,249 83
Connecticut Mutual.....	26,383,983 26	30,453 28	4,728,535 17	7,515,066 18
Continental.....	746,134 04	216,332 00	896,562 65	274,984 46
Equitable.....	12,437,584 93	928,000 00	.....	6,834,904 96
Germania.....	4,264,125 36	175,000 00	.....	950,402 95
Home.....	1,247,066 00	272,700 00	883,449 46	269,910 58
Massachusetts Mutual.....	2,945,135 34	267,622 01	742,726 68	1,002,410 00
Mutual Benefit.....	9,853,332 44	.....	4,803,623 78	1,571,744 17
Mutual.....	57,368,331 99	.....	.....	6,319,051 73
National, Vt.	694,745 05	115,300 00	25,110 59	181,583 75
National, U. S. of A.	1,693,331 68	355,406 57	43,494 58	792,965 43
New England Mutual.....	2,259,750 01	137,150 00	1,722,469 87	1,274,100 00
New York Life.....	14,364,158 43	.....	621,984 93	4,582,270 42
Northwestern Mutual.....	11,496,676 57	.....	2,602,923 25	1,231,368 01
Pacific Mutual.....	649,598 62	29,987 52	81,341 46	79,987 91
Phoenix Mutual.....	6,560,173 92	36,835 61	2,366,120 83	654,968 95
State Mutual.....	137,380 00	85,000 00	18,364 05	50,000 00
Travelers.....	2,256,193 13	22,100 00	.....	517,204 37
United States.....	2,120,100 55	45,465 94	126,638 91	139,000 00
Union Mutual.....	2,862,029 68	1,006 00	1,272,917 73	1,811,227 61
Washington.....	2,270,214 02	15,187 48	.....	414,436 23
Total.....	\$173,590,581 65	\$2,960,067 32	\$23,910,662 27	\$36,894,827 94

TABLE B.

*at the close of 1878, of the Life and Casualty Insurance Companies
sota, May 1st, 1879.*

Market val. of Bonds and Stocks Owned.	Cash on hand and in Bank.	Accrued Interest and Rents.	Net defr'd and out- standing Premiums	All other Assets.	Total admitted Assets.	Items not admitted.
\$7,594,703 30	\$1715,404 59	\$ 828,501 22	\$223,132 36	\$ 5,000 00	\$24,983,447 17	\$ 81,573 99
6,425,757 50	1,237,668 74	1,768,349 75	37,928 04	.....	48,119,741 92	59,386 42
192,193 35	121,168 95	219,848 94	68,111 73	950 00	736,286 12	233,047 70
11,970,543 11	1,846,603 51	474,488 42	523,551 00	.....	35,015,675 93	307,528 43
2,468,141 25	112,305 83	75,748 02	222,888 24	.....	8,268,611 65	.....
1,987,605 00	31,773 40	33,952 33	77,313 33	.....	4,803,770 10	15,178 66
971,438 00	105,935 03	211,398 03	117,203 69	48,990 00	6,412,858 78	12,932 28
17,253,401 31	474,829 83	747,108 16	149,585 42	.....	34,853,605 11	27,077 35
17,835,869 55	3,100,516 10	1,485,754 00	723,817 30	.....	86,833,340 67	53,001 42
1,015,006 25	48,722 00	63,791 80	15,144 46	32,009 01	2,191,612 91	15,344 06
707,462 33	188,149 60	80,022 84	63,122 65	.....	3,923,955 62	80,889 03
8,962,284 12	230,790 22	217,624 98	135,856 67	6,700 00	14,946,725 85	.....
15,415,105 34	932,639 43	306,225 93	421,339 07	.....	36,643,923 55	88,036 91
1,170,540 00	583,210 11	631,102 52	194,216 68	.....	17,910,037 14	64,842 06
6,240 00	46,174 55	46,309 82	50,893 45	244,334 02	1,234,858 35	55,655 15
621,824 25	249,297 84	258,068 16	47,049 00	.....	10,794,337 96	44,291 05
1,930,143 00	115,957 20	12,000 00	.....	.....	2,348,844 25	.....
1,521,840 50	127,904 69	57,766 39	92,028 64	.....	4,575,037 72	5,175 90
2,076,051 50	160,695 47	70,937 08	111,900 80	.....	4,850,789 45	24,157 56
699,635 12	57,246 87	242,699 26	98,438 28	1,274 00	7,046,474 55	32,246 23
2,407,225 00	224,548 63	47,289 76	108,808 02	.....	5,487,809 14	15,434 55
\$103,233,009 78	11,711,742 57	\$7378,987 41	\$3482,428 03	\$339,457 03	\$364001,764 00	\$1,215,798 75

TABLE C.

*Showing the total LIABILITIES and the several items comprising
operating in Minne-*

COMPANIES.	Net reinsurance Reserve.	Total gross Policy claims.	All other Liabilities.
Ætna.....	\$19,635,257 00	\$447,176 44	\$165,270 92
Connecticut Mutual.....	40,040,642 00	943,450 00	699,893 59
Continental.....	2,481,364 00	32,166 00	.....
Equitable.....	27,728,943 00	600,666 64	197,279 00
Germania.....	7,012,974 00	110,908 15	58,631 72
Home.....	3,548,474 00	22,000 00	18,410 62
Massachusetts Mutual.....	5,728,866 00	182,220 00	19,756 14
Mutual Benefit.....	28,055,941 00	668,502 00	247,335 45
Mutual.....	74,480,680 00	780,607 00	265,664 38
National, Vt.....	1,378,594 98	14,600 00	85,609 96
National, U. S. of A.....	3,021,087 00	105,889 79	71,609 30
New England Mutual.....	12,677,903 00	195,378 00	177,147 47
New York Life.....	29,229,286 00	600,081 14	14,987 18
Northwestern Mutual.....	13,667,606 00	308,275 26	35,948 63
Pacific Mutual.....	931,810 98	9,358 00	.....
Phoenix Mutual.....	9,420,575 00	205,373 79	200,947 96
State Mutual.....	1,930,477 00	29,000 00	4,018 50
Travelers.....	2,680,905 00	139,500 00	5,000 00
United States.....	3,9 9,511 00	73,960 00	14,000 00
Union Mutual.....	6,209,533 00	273,950 31	46,740 20
Washington.....	4,429,086 00	112,182 48	15,545 26
Total.....	\$298,249,515 96	\$5,855,245 00	\$2,343,796 61

TABLE C.

*the same at the close of 1878 of the several Life Insurance Companies
sota May 1st, 1879.*

Total Liabilities.	Total Assets.	Surplus over Liabilities.	Standard of Computation of Reserve.
\$20,247,704 36	\$24,983,447 17	\$4,735,742 81	American Ex. & 4½ per ct.
41,683,985 59	48,119,741 92	6,435,756 33	American Ex. & 4½ per ct.
2,513,530 00	2,736,284 12	222,754 12	American Ex. & 4½ per ct.
28,526,888 64	35,015,675 93	6,488,787 29	American Ex. & 4½ per ct.
7,182,513 87	8,268,611 65	1,086,097 78	American Ex. & 4½ per ct.
3,588,884 61	4,803,770 10	1,214,885 48	American Ex. & 4½ per ct.
5,930,842 14	6,412,858 78	482,016 64	Actuaries & 4 per ct.
28,971,778 45	34,853,625 11	5,881,846 96	American Ex. & 4½ per ct.
75,526,951 37	86,833,340 67	11,306,389 30	American Dx. & 4½ per ct.
1,478,804 94	2,191,612 81	712,807 97	Actuaries & 4 per ct.
3,198,586 09	3,923,755 68	725,369 59	American Ex. & 4½ per ct.
13,050,528 41	14,946,725 85	1,896,297 44	Actuaries & 4 per ct.
29,844,354 32	36,643,923 55	6,799,567 23	American Ex. & 4½ per ct.
14,011,829 89	17,910,037 14	3,898,207 25	American Ex. & 4½ per ct.
941,168 98	1,234,858 35	293,689 37	American Ex. & 4½ per ct.
8,826,896 75	10,794,338 96	967,441 21	American Ex. & 4½ per ct.
1,963,495 90	2,348,844 25	385,348 35	Actuaries & 4½ per ct.
2,825,405 00	4,595,037 72	1,769,632 72	American Ex. & 4½ per ct.
4,047,471 00	4,850,789 45	803,318 45	American Ex. & 4½ per ct.
6,530,223 51	7,046,474 55	516,251 04	American Ex. & 4½ per ct.
4,556,813 74	5,487,809 14	930,995 40	American Ex. & 4½ per ct.
\$306,448,557 57	\$364,001,764 00	\$57,553,204 43	

TABLE D.

Showing the total INCOME for the year 1878, and the several Companies Operating in Min-

Companies.	Premiums less am't paid for reinsurance.	From Interest and Dividends.	From rents and all other sources.
Ætna.....	\$ 2,762,721 12	\$1,569,553 66	\$ 7,854 59
Connecticut Mutual.....	6,249,133 84	2,997,128 05	174,162 51
Continental.....	429,689 21	74,639 32	7,367 53
Equitable.....	6,543,750 53	1,363,637 02	310,555 69
Germania.....	1,230,719 58	436,974 92	43,629 44
Home.....	492,354 55	294,513 06	.....
Massachusetts Mutual...	834,806 20	273,913 91	22,679 55
Mutual Benefit.....	4,044,271 05	2,005,721 20	13,248 43
Mutual.....	13,092,719 83	4,679,790 14	72,617 60
National, Vt.....	231,642 58	101,148 46	3,101 88
National, U. S. of A.....	560,222 25	190,352 94	35,330 97
New England Mutual.....	1,680,023 13	757,880 10	62,207 40
New York Life.....	5,689,551 99	1,883,539 08	74,795 47
Northwestern Mutual.....	1,984,578 09	1,323,887 61	8,979 20
Pacific Mutual.....	303,019 46	73,181 16	13,739 86
Phoenix Mutual.....	1,309,557 58	658,341 28	10,042 51
State Mutual.....	271,089 88	117,440 95	.....
Travelers.....	1,226,459 09	244,579 31	42,046 73
United States.....	706,137 38	272,526 07	.....
Union Mutual.....	1,305,285 59	306,181 14	124,535 51
Washington.....	955,261 14	290,060 49	.....
Total.....	\$51,902,994 17	\$19,904,989 87	\$1,026,894 87

TABLE D.

*sources from whence derived, of the Life and Casualty Insurance
nesota, May 1st, 1879.*

Total Income.	Total Expenditures.	Excess of Income over Expenditures.	Excess of Expendi- tures over Income.
\$4,330,129 37	\$3,496,238 64	\$ 833,890 73	.....
9,420,424 40	8,267,325 53	1,153,098 87	.....
511,696 06	744,544 82	.....	\$232,848 76
8,217,943 22	6,131,013 31	2,086,929 93	.....
1,711,323 94	1,390,441 66	320,882 28	.....
786,867 61	726,098 46	60,769 15	.....
1,131,399 66	1,037,035 09	94,364 57	.....
6,063,240 68	5,778,678 29	284,562 39	.....
17,845,127 57	16,026,729 42	4,818,398 15	.....
335,892 92	238,824 35	97,068 57	.....
785,906 16	762,090 46	23,815 70	.....
2,500,110 63	2,216,536 84	283,573 79	.....
7,647,886 54	5,840,866 01	4,807,020 53	.....
3,317,444 90	3,528,932 36	.....	211,487 46
389,940 90	444,465 90	.....	54,525 42
1,977,941 37	2,133,023 73	.....	155,082 36
388,530 83	269,856 22	118,674 71	.....
1,513,085 13	1,103,229 24	409,855 89	.....
978,663 45	915,070 65	63,592 80	.....
1,736,002 24	2,333,804 93	.....	597,802 67
1,245,321 63	1,064,610 48	180,711 15	.....
\$72,834,878 91	\$64,449,416 39	\$8,385,462 52	\$1,251,746 69

TABLE E.

*Showing the total EXPENDITURES for the year 1878 of the
May 1st,*

Companies.	Losses and Matured Endow- ments.	Dividends and other Disbursements to Policy Holders.
Ætna.....	\$1,710,558 00	\$1,239,959 39
Connecticut Mutual.....	3,407,598 28	3,905,174 81
Continental.....	194,888 61	349,875 67
Equitable.....	2,192,313 33	2,742,858 10
Germania.....	629,901 50	452,819 61
Home.....	330,590 00	265,560 91
Massachusetts Mutual.....	434,032 75	369,423 35
Mutual Benefit.....	2,410,489 50	2,545,702 08
Mutual.....	5,327,883 01	9,072,149 12
National, Vt.....	92,845 36	104,298 55
National, U. S. of A.....	306,474 17	262,505 93
New England Mutual.....	1,052,293 00	852,041 16
New York Life.....	2,360,727 35	2,446,865 96
Northwestern Mutual.....	1,566,034 88	1,522,757 72
Pacific Mutual.....	236,044 44	96,174 18
Phoenix Mutual.....	836,192 77	878,386 82
State Mutual.....	135,565 42	91,565 39
Travelers.....	470,745 56	44,569 10
United States.....	343,251 55	226,773 08
Union Mutual.....	1,256,682 45	766,251 62
Washington.....	372,769 83	482,511 80
Total.....	\$25,667,874 76	\$28,816,215 35

TABLE E.

Life and Casualty Insurance Companies operating in Minnesota, 1879.

Total Payments to Policy Holders.	Dividends to Stockholders.	Management Expenses.	Total Disbursements.
\$2,950,517 39	\$45,000 00	\$ 500,721 25	\$3,496,238 64
7,312,768 09	.....	954,557 44	8,267,325 53
544,763 28	.....	199,780 54	744,544 82
4,935,171 43	7,000 00	1,188,841 88	6,131,013 31
1,082,721 11	24,060 00	283,720 55	1,390,441 66
596,150 91	15,000 00	114,947 55	726,098 46
803,456 10	.....	233,578 99	1,037,035 09
4,956,191 58	.....	822,486 71	5,778,678 29
14,400,032 13	.....	1,626,697 29	16,026,729 42
197,143 91	4,060 00	37,620 44	238,824 35
568,980 10	16,273 35	176,837 01	762,090 46
1,904,334 16	.....	312,202 68	2,216,536 84
4,807,593 31	.....	1,033,272 70	5,840,866 01
3,088,792 60	.....	440,139 76	3,528,832 36
332,218 62	.....	112,247 28	444,465 90
1,714,579 59	6,000 00	412,444 14	2,133,023 73
227,130 81	.....	42,725 41	269,856 22
515,305 66	72,000 00	515,923 58	1,103,229 24
670,024 63	28,226 30	216,819 72	915,070 65
2,022,934 07	.....	310,870 86	2,333,804 93
853,279 63	8,653 75	202,677 10	1,064,610 48
\$54,484,090 11	\$226,213 40	\$9,739,112 88	\$64,449,416 39

TABLE F.

*Showing the number and amount of Policies in force at the close of
of the Life and Casualty Insurance Companies*

COMPANIES.	Policies in force at the close of 1877.	
	No.	Amount.
Ætna.....	55,098	\$82,719,074 00
Connecticut Mutual.....	66,252	178,280,635 00
Continental.....	9,596	11,502,724 00
Equitable.....	46,749	160,821,416 00
Germania.....	19,650	32,817,295 00
Home.....	8,425	16,800,407 00
Massachusetts Mutual.....	13,983	31,872,147 00
Mutual Benefit.....	42,796	126,193,045 00
Mutual.....	91,553	294,488,311 00
National, Vt.....	4,216	8,562,232 00
National, U. S. of A.....	9,706	19,334,534 00
New England Mutual.....	19,954	58,202,467 00
New York Life.....	45,609	121,901,887 00
Northwestern Mutual.....	34,766	64,416,847 00
Pacific Mutual.....	3,062	8,259,147 00
Phoenix Mutual.....	25,479	43,898,966 00
State Mutual.....	4,853	10,661,205 00
Travelers.....	11,008	18,690,183 00
United States.....	11,080	21,190,190 00
Union Mutual.....	18,131	34,381,818 00
Washington.....	10,229	21,545,302 00
Total.....	552,791	\$1,372,539,832 00

ACCIDENT

Travelers.....	32,783	\$90,941,708 00
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TABLE F.

1877 and at the close of 1878, with the net increase and net decrease operating in Minnesota, May 1st, 1879.

Policies in force at close of 1878.		Net Increase.		Net Decrease.	
No.	Amount.	No.	Amount.	No.	Amount.
56,542	\$79,568,066 00	844	.....	.....	\$3,151,008 00
64,976	170,319,184 00	.....	.....	1,273	7,961,471 00
8,798	9,286,019 00	.....	.....	798	2,216,705 00
46,383	157,737,350 00	.....	.....	366	3,084,060 00
19,353	32,191,263 00	.....	.....	267	626,032 00
7,858	15,308,663 00	.....	.....	567	1,491,744 00
13,383	29,544,599 00	.....	.....	600	2,327,548 00
41,764	119,179,592 00	.....	.....	1,032	7,013,996 00
91,828	290,774,315 00	275	.....	.....	3,713,453 00
4,009	8,183,357 00	.....	.....	207	378,875 00
8,665	16,205,751 00	.....	.....	1,041	3,128,783 00
19,202	56,154,379 00	.....	.....	752	2,048,088 00
45,005	125,232,145 00	.....	.....	600	2,669,742 00
33,254	61,441,014 00	.....	.....	1,512	2,975,833 00
2,989	7,925,510 00	.....	.....	73	333,637 00
23,842	38,316,091 00	.....	.....	1,637	5,582,875 00
4,732	10,502,465 00	.....	.....	121	158,740 00
11,087	18,180,094 00	79	.....	.....	510,089 00
9,830	17,353,255 00	.....	.....	1,250	3,836,935 00
15,771	28,890,136 00	.....	.....	2,360	5,491,682 00
9,947	21,215,796 00	.....	.....	282	329,506 00
539,221	\$1,313,509,024 00	1,198	14,738	\$59,030,802 00

BUSINESS.

37,454	\$94,516,501 00	4,671	\$3,574,793 00
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TABLE G.

*Showing the number and amount of Policies issued and terminated
Casualty Insurance Companies oper-*

Name of Company.	Total number and amount of Policies issued and terminated during the year.					
	Issued.		Terminated.		By Death and Maturity.	
	No.	Amount.	No.	Amount.	No.	Amount.
Ætna.....	4763	\$ 6,923,524 00	3919	\$10,074,532 00	602	\$1,149,675 00
Connecticut Mutual.....	5380	12,073,498 00	6653	20,034,969 00	1357	3,596,673 00
Continental.....	1723	1,773,541 00	2521	3,992,046 00	180	220,471 00
Equitable.....	6115	21,440,213 00	6481	24,524,273 00	637	2,172,911 00
Germania.....	2051	3,270,448 20	2348	3,896,480 00	388	662,292 00
Home.....	674	1,028,284 00	1241	2,522,007 00	161	330,590 00
Massachusetts Mutual.....	935	2,198,033 00	1535	4,298,511 00	237	515,244 00
Mutual Benefit.....	2538	5,271,180 00	3570	12,284,633 00	701	2,612,670 00
Mutual.....	8870	28,299,818 00	8595	32,013,814 00	952	3,044,937 00
National, Vt.....	230	703,025 00	437	1,081,900 00	52	92,845 00
National, U. S. of A.....	938	1,655,214 00	1985	4,788,450 00	129	327,602 00
New England Mutual.....	1542	4,545,643 00	2294	6,593,731 00	429	1,131,472 00
New York Life.....	5082	15,949,986 00	5682	18,619,728 00	1834	5,151,474 00
Northwestern Mutual.....	3463	8,108,407 00	4975	11,084,240 02	372	812,644 00
Pacific Mutual.....	1013	3,813,792 00	1086	4,147,829 00	39	101,230 00
Phoenix Mutual.....	2847	3,222,821 02	4484	8,705,854 00	291	660,255 00
State Mutual.....	222	614,300 00	343	773,040 00	59	132,470 00
Travelers.....	2036	3,261,964 00	1057	3,772,053 00	101	191,976 00
United States.....	1701	4,006,312 00	2864	7,478,047 00	126	239,490 00
Union Mutual.....	3769	6,539,343 00	6129	12,031,025 00	854	1,283,365 00
Washington.....	1255	2,270,000 00	1537	3,367,070 00	112	254,902 00
Total.....	57147	135,969,446 00	70636	196,084,232 00	9613	\$24,685,186 00

ACCIDENT

Travelers.....	43118	105,922,976 00	38447	102,348,183 00	74	\$157,467 00
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BUSINESS IN MINNESOTA.

The life insurance business in this State during 1878 was less than during any preceding year since the establishment of this department. It was considerably less than during 1877, as shown by the following comparison :

	1877.	1878.
Number of policies issued during.....	1,289	960
Amount insured thereby... ..	\$ 1,967,273 00	\$ 1,364,954 00
Total premiums collected (casualties included)..	369,799 40	316,553 18
Amount of death losses incurred (casualties included).	219,840 77	141,690 48
Amount of death losses paid (casualties included)	203,865 01	142,677 11

DECREASE

In number of policies issued.....	329
In amount of insurance written.....	\$ 602,319 00
In total premiums received.....	53,246 22

SUMMARY.

Following is a brief summary of the life insurance business transacted in Minnesota during 1878 :

	No. of policies.	Amount.
In force Dec. 31st, 1877.....	7,864	\$12,771,189 00
Issued during 1878.....	960	1,364,954 00
Total number and amount.....	8,820	\$14,136,143 00
Ceased to be in force in 1878.....	1,332	2,092,939 00
Leaving in force at close of year.....	7,488	\$12,043,204 00

CASUALTY BUSINESS.

The casualty business—all done by the Travelers Insurance Company—was as follows :

No. of policies issued.....	470
Amount insured thereby.....	\$ 1,045,500 00
Losses incurred and paid during the year.....	3,124
No. of policies in force Dec. 31st, 1878.....	423
Amount of insurance covered thereby.....	\$940,950 00

SEVEN YEARS OF LIFE INSURANCE IN MINNESOTA.

The following is a brief statement of the life insurance in this State for the seven years last past :

	No. of Policies written.	Amount insured.	Premiums received.	Losses paid.
1872.....	2,832	\$ 4,487,905 00	\$483,033 52	\$135,898 79
1873.....	2,649	4,304,572 00	441,128 81	201,054 00
1874.....	3,588	6,053,259 00	497,704 26	201,797 46
1875.....	3,592	5,846,082 00	518,658 33	219,050 63
1876.....	1,997	3,200,964 00	432,667 04	258,529 94
1877.....	1,289	1,967,273 00	369,799 40	23,865 01
1878.....	960	1,364,954 00	316,553 18	142,677 11
Total.....	16,907	\$ 27,225,009 00	\$ 3,059,544 54	\$ 1,362,872 94

Since 1875, it will be seen, the life insurance business has fallen off in this State at a very rapid rate, until in 1878 it was much less in the aggregate than in some previous year a single company has secured. Nine hundred and sixty policies, covering but \$1,364,954 of insurance, is a very small business indeed for twenty-one companies to secure in a State like Minnesota, during an entire year's time. There are evidences, however, that a change for the better has occurred. It is probable the business of 1879, not only in Minnesota, but in the country at large, will show a considerable increase over that of 1878. It is the opinion of those whose judgment in such matters is worth something, that the bottom has been reached in the life insurance depression and that the immediate future will show a favorable change. That life insurance is desired by the people there can be no doubt. The numberless co-operative societies in existence are but an evidence of this fact. But the faith of the public in what is termed the old style of life insurance was terribly shaken by the late failures of a number of prominent companies, commencing with the Continental Life of New York, which failed most disgracefully in 1876. Co-operative insurance has been sought as a substitute for the old method, simply because of a lack of faith in the stability and honesty of the life companies. But the life companies may win back the public favor and enjoy in the future as large a degree of prosperity as in the past. There are evidences now of a return of public confidence. With proper management—and that means more than economy, more than honesty and ordinary business sagacity, but all these and equity and justice as well—the life insurance companies proper need have no fear of anything more than a temporary rivalry with the co-operative societies. These societies are not possessed of capital and have but few, if any, of the elements of permanency. A number of them passed out of existence during the last year, and the signs would indicate the demise of many more during the coming year.

For further and more detailed information regarding the business in Minnesota of 1878, table H, following, may be consulted.

Respectfully submitted,

A. R. MCGILL,

Insurance Commissioner.

TABLE H.

*Showing the Life Insurance business transacted in the State of
issued, the number and amount of Policies which ceased to be*

Companies.	In force at the end of 1877.		Issued during 1878.		Ceased to be in force during 1878.	
	No.	Amount.	No.	Amount.	No.	Amount.
Ætna.....	571	\$553,772 00	46	\$42,829 00	60	\$ 89,288 00
Connecticut Mutual.....	340	746,395 00	29	51,293 00	27	53,870 00
Continental.....	56	83,847 00	102	137,265 00	74	109,047 00
Equitable.....	316	745,855 00	41	52,462 00	78	163,460 00
Germania.....	159	271,151 00	11	19,946 00	50	63,000 00
Home.....	72	115,000 00	6	8,120 00	30	45,200 00
Massachusetts Mutual.....	84	206,547 00	5	4,620 00	9	27,682 00
Mutual Benefit.....	356	659,141 00	7	6,560 00	12	49,450 00
Mutual.....	930	2,097,622 00	78	161,230 00	97	238,594 00
National, Vt.....	22	33,000 00	4	9,000 00	.....	.....
National, U. S. of A.....	222	254,007 00	44	37,598 00	47	62,685 00
New England Mutual.....	328	971,996 00	18	64,000 00	5	10,000 00
New York Life.....	382	714,265 00	48	86,660 00	46	82,160 00
Northwestern Mutual.....	3019	4,290,008 00	238	270,731 00	379	597,106 00
Pacific Mutual.....	72	132,575 00	42	82,327 00	36	62,780 00
Phoenix Mutual.....	494	223,700 00	57	68,163 00	206	192,000 00
State Mutual.....	.....	.....	4	9,000 00	.....	.....
Travelers.....	116	165,038 00	9	7,515 00	13	20,100 00
United States.....	61	111,340 00	34	61,325 00	39	71,900 00
Union Mutual.....	58	106,275 00	16	57,107 00	22	41,417 00
Washington.....	206	289,655 00	121	127,205 00	102	113,200 00
Total.....	7864	\$12,771,189 00	960	\$1,364,954 00	1332	\$2,092,939 00

ACCIDENT BUSINESS

Travelers.....	214	\$737,375 00	470	\$1,045,500 00	261	\$841,925 00
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TABLE H.

Minnesota during the year 1878—the number and amount of Policies in force, the Premiums received, Losses paid and Losses incurred.

In force December 31st, 1878.		Premiums received during 1878.			Losses paid in 1878.	Losses in- curred in 1878.
No.	Amount.	Cash.	Notes, Cred- its, &c.	Total.		
557	\$507,313 00	\$ 8,926 04	\$ 1,555 74	\$10,481 78	\$11,852 23	\$11,802 00
342	743,818 00	15,631 92	.....	15,631 92	7,100 00	17,431 00
84	112,065 00	3,368 28	.....	3,368 28	2,000 00	2,000 00
279	634,855 00	13,804 44	.....	13,804 44	2,000 00	.....
120	228,097 00	9,486 73	.....	9,486 73	3,252 80	5,076 48
48	77,920 00	754 60	266 23	1,020 83	1,000 00	1,000 00
80	183,485 00	4,011 67	2,064 00	6,075 67	400 00	400 00
351	616,251 00	10,374 09	.....	10,374 09	4,000 00	4,250 00
911	2,020,258 00	60,279 83	.....	60,279 83	16,117 00	12,096 02
26	42,000 00	1,031 78	94 50	1,126 28	.....	.....
219	228,920 00	4,187 00	.....	4,187 00	2,000 00	3,000 00
341	1,025,996 00	10,958 73	7,702 91	18,661 64	.....	1,000 02
384	718,765 00	14,297 63	.....	14,297 63	20,142 24	17,673 16
2878	3,963,633 00	75,540 10	16,158 48	91,698 58	53,055 51	49,404 51
78	152,122 00	3,685 68	.....	3,685 68	2,500 00	2,500 00
345	99,863 00	24,050 14	1,157 00	25,207 14	5,500 00	2,300 00
.....	9,000 00	375 15	.....	375 15	.....	.....
112	152,453 00	2,055 60	.....	2,055 60	1,600 00	1,600 00
56	100,765 00	1,609 43	.....	1,609 43	1,000 00	1,000 00
52	121,965 00	3,665 64	394 00	4,059 64	3,000 00	3,000 00
225	303,660 00	9,690 78	.....	9,690 78	3,032 72	3,032 72
7488	\$12,043,204 00	\$277,776 26	\$29,392 86	\$307,169 12	\$139,552 50	\$138,565 87

IN MINNESOTA.

423	\$940,950 00	\$9,384 06	\$9,384 06	\$3,124 61	\$3,124 61
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RECEIPTS

For the Year ending November 30th, 1878.

NAME OF COMPANY.	FEES.	TAXES.	TOTAL.
FIRE AND MARINE.			
Aetna	\$69 00	\$690 75	\$759 75
Amazon	30 00	91 89	121 89
American Central	69 00	328 13	597 13
American, Ill.	76 00	265 60	341 60
American, Pa.	35 00	139 11	174 11
Atlantic	31 00	100 20	131 20
Atlantic F. & M.	35 00	23 53	58 53
Buffalo	23 00	52 06	75 06
Citizens, Mo.	24 00	61 86	85 86
Commercial, N. Y.	53 00	.....	53 00
Commonwealth.	29 00	71 04	100 04
Continental	154 00	889 23	1,043 23
Connecticut	64 00	112 10	176 10
Eliot	23 00	16 70	39 70
Equitable F. & M.	35 00	23 53	58 53
Fairfield	24 00	25 10	49 10
Franklin, Pa.	35 00	312 17	347 17
Franklin, Mo.	27 00	37 85	64 85
Faneul Hall	26 00	52 23	78 23
Fire Association	39 00	256 50	295 50
Pireman's Fire	23 00	16 70	39 70
Fireman's Fund	63 00	188 64	251 64
German American	81 00	496 40	577 40
Germania	62 00	441 00	503 00
German	43 00	102 90	145 90
Girard	33 00	153 10	186 10
Glenn's Falls	30 00	152 94	182 94
Hanover	62 00	441 00	503 00
Hartford	150 00	807 62	957 62
Home, N. Y.	125 00	968 43	1,093 43
Home, Ohio	41 00	75 00	116 00
Howard	22 00	17 64	39 64
Hoffman	49 00	.....	49 00
Ins. Co. of North America	71 00	733 33	804 33
Lamar	23 00	31 42	54 42
Manhattan	36 00	240 60	276 60
Manufacturers' F. & M.	22 00	53 06	75 06
Mereantile	23 00	28 85	51 85
Merchants, R. I.	35 00	23 53	58 53
Merchants, N. J.	28 00	160 89	188 89
Meriden	46 00	70 49	116 49
Milwaukee	39 00	91 95	130 95
Minnesota Farmers	21 00	.....	21 00
National, Ct.	36 00	127 42	163 42
Newark Fire	56 00	.....	56 00
Newark City	48 00	.....	48 00
Niagara	36 00	139 42	175 42
Northern	25 00	57 24	82 24
New Hampshire	21 00	9 27	30 27
Northwestern National	51 00	260 97	311 97
Orient	39 00	81 67	120 67

Receipts for the Year ending Nov. 30, 1878.—Continued.

NAME OF COMPANY.	FEES.	TAXES.	TOTAL.
FIRE AND MARINE—Continued.			
Orient Mutual.....	22 00	\$ 34 60	\$ 56 60
Pacific Mutual.....	25 00	78 54	103 54
Pennsylvania.....	46 00	260 33	306 33
People's, N. J.....	27 00	92 15	119 15
Phoenix.....	69 00	777 71	846 71
Phenix.....	59 00	439 08	498 08
Providence Washington.....	35 00	23 53	58 53
Revere.....	28 00	23 83	51 83
Rochester German.....	33 00	34 57	67 57
Roger Williams.....	26 00	24 03	50 03
Security.....	24 00	35 67	59 67
Shawmut.....	33 00	98 79	131 79
Springfield F. & M.....	98 00	376 66	474 66
Standard, N. J.....	23 00	8 67	31 67
Standard, N. Y.....	22 00	17 99	39 99
Star.....	26 00	13 73	39 73
St. Nicholas.....	23 00	35 30	58 30
St. Joseph F. & M.....	26 00	48 10	74 10
St. Paul F. & M.....	21 00	2,080 20	2,101 20
Traders.....	46 00	175 11	221 11
Union.....	23 00	18 94	41 94
Watertown.....	53 00	110 13	163 13
Westchester.....	31 00	164 94	195 94
Washington F. & M.....	23 00	16 70	39 70
Williamsburg City.....	22 00	8 34	30 34
FOREIGN.			
British America.....	35 00	121 06	156 06
Commercial Union.....	28 00	276 10	304 10
Hamburg Bremen.....	30 00	80 59	110 59
Imperial.....	38 00	154 46	192 46
La Caisse.....	27 00	34 68	61 68
Lancashire.....	36 00	119 18	155 18
Liverpool and London and Globe.....	34 00	326 08	360 08
London Assurance.....	25 00	64 33	89 33
North British and Mercantile.....	49 00	437 26	486 26
Northern.....	38 00	154 46	192 46
North German.....	53 00	.....	53 00
Queen.....	23 00	169 99	192 99
Royal.....	34 00	180 79	214 79
Royal Canadian.....	37 00	83 25	120 25
Scottish Commercial.....	48 00	169 20	217 20
Western.....	31 00	100 17	131 17
	\$3,771 00	\$16,990 30	\$20,761 30
LIFE COMPANIES.			
Ætna.....	26 00	235 11	261 11
Continental.....	36 00	59 50	95 50
Connecticut Mutual.....	32 00	340 18	372 18
Equitable.....	22 00	353 71	375 71
Germania.....	30 00	244 42	274 42
Home.....	22 00	25 64	47 64
Massachusetts Mutual.....	22 00	131 64	153 64
Metropolitan.....	22 00	26 95	48 95

Receipts for the Year ending Nov. 30, 1878.—Continued.

NAME OF COMPANY.	FEES.	TAXES.	TOTAL.
LIFE COMPANIES—Continued.			
Mutual.....	43 00	\$1,348 57	\$1,391 57
Mutual Benefit.....	23 00	238 08	261 08
National, Vt.....	22 00	25 55	47 55
National U. S. of A.....	24 00	123 54	147 54
New England Mutual.....	25 00	360 51	385 51
Northwestern Mutual.....	66 00	1,793 71	1,859 71
New York Life.....	21 00	277 71	298 71
Pacific Mutual.....	22 00	75 72	97 72
Phoenix.....	29 00	559 64	588 64
Railway Passengers.....	70 00	24 53	94 53
State Mutual.....	48 00	.....	48 00
Travelers.....	74 00	205 96	279 96
Union Mutual.....	22 00	48 63	70 63
United States.....	22 00	35 20	57 20
Washington.....	28 00	245 55	273 55
	\$751 00	\$,6780 05	\$7,531 05
Total.....	\$4,522 00	\$23,770 35	\$28,292 35

ABSTRACTS FROM THE STATEMENTS
OF
LIFE INSURANCE COMPANIES
DOING BUSINESS IN THE STATE OF MINNESOTA,
SHOWING THEIR CONDITION DECEMBER 31, 1878.

ABSTRACTS FROM STATEMENTS.

ÆTNA LIFE INSURANCE COMPANY.

CONNECTICUT.

Principal Office, Hartford.

(Organized and commenced business, 1850.)

T. O. ENDERS, President.

J. L. ENGLISH, Secretary.

Paid up capital stock.....\$ 750,000 00
Amount of net or ledger assets Dec. 31st, of previous year 22,927,451 36

I. INCOME, 1878.

Cash received for premiums without deductions..\$ 1,992,573 11
Premium notes, loans, or liens taken in part pay-
ment for premiums..... 264,402 96
Premiums paid by surrendered policies..... 513,124 34
Total.....\$ 2,770,100 41
Deduct for reinsurance in other companies..... 7,379 29

Total premium income.....\$ 2,762,721 12
Cash received for interest upon mortgage loans..... 886,724 58
Cash received for interest and dividends on bonds and stocks... 487,643 67
Cash received for interest on premium notes, loans or liens..... 165,924 04
Cash received for interest on other debts due the company..... 19,261 37
Cash received as discount on claims paid in advance..... 7,854 59

Total income.....\$ 4,330,129 37

Total.....\$27,257,580 73

II. DISBURSEMENTS, 1878.

Cash paid for losses and additions	\$1,018,473 92	
Premium notes, loans, or liens used in payment of the same	72,794 71	
Cash paid for matured endowments and additions	583,855 56	
Premium notes, loans, and liens used in payment of same	79,433 81	
Deduct reinsurance received from other companies	44,000 00	
Total paid for losses and matured endowments	\$ 1,710,558 00	
Cash paid for surrendered policies	13,845 45	
Premium notes, loans, or liens used in purchase of surrendered policies	190,011 25	
Cash surrender values, applied in payment of premiums	513,124 34	
Cash dividends paid to policy holders	299,788 68	
Premium notes, or liens used in payment of dividends to policy holders	223,189 67	
(Total paid policy holders)	\$ 2,950,517 39)	
Cash paid stockholders for interest or dividends	45,000 00	
Cash paid for commissions to agents	212,135 43	
Cash paid for salaries and traveling expenses of agents and managers of agencies	8,242 21	
Cash paid for medical examiner's fees	12,754 81	
Cash paid for salaries and other compensation of officers and office employes	47,944 00	
Cash paid for state and local taxes and fees	120,005 65	
Cash paid for rent	8,062 71	
Cash paid for furniture, fixtures and safes	118 92	
Cash paid for advertising	6,359 62	
Cash paid for the following items, viz.: supplies, express, postage, exchange, etc.	85,097 90	
Total disbursements	\$ 3,496,238 64	
Balance	\$23,761,342 09	

III. ASSETS.

As per Ledger Accounts.

Cost value of real estate exclusive of all incumbrances	\$ 427,249 83	
Loans on bonds and mortgages on real estate	10,980,536 63	
Loans secured by pledge on marketable collaterals	226,520 91	
Premium notes, loans, or liens on policies in force, the reserve on each policy being in excess of all indebtedness thereon	2,982,398 33	
Cost value of bonds and stocks owned	7,347,657 81	
Cash in company's office and in bank	1,715,404 59	
Bills receivable	72,151 04	
Agent's ledger balances	9,422 95	
Total net or ledger assets	\$23,761,342 09	

Other Assets.

Interest due and accrued on bonds and mortgages	713,527 81	
Interest due and accrued on bonds and stocks	114,973 41	
Market value of bonds and stocks, over cost	247,045 49	
Due from other companies for losses or claims on reinsurance	5,000 00	
Net amount of uncollected and deferred premiums	223,132 36	

Total assets as per the book of the company \$25,065,021 16

Items not Admitted.

Agent's balances.....	\$ 9,422 95
Bills receivable.....	72,151 04
Total.....	81,573 99
Total assets, (less items not admitted).....	\$24,983,447 17

IV. LIABILITIES.

Net reinsurance reserve.....	\$19,635,257 00
Claims for death losses due and unpaid.....	\$ 40,736 44
Claim for matured endowments due and unpaid..	10,577 00
Claims for death losses, and matured endowments in process of adjustment, or adjusted and not due.....	378,863 00
Policy claims, resisted by the company.....	17,000 00
Total policy claims.....	\$ 447,176 44
Amount of all unpaid dividends or other profits due policy holders	82,103 95
Amount of any other liability of the company, viz.: attorney's fees	8,161 97
Reserved for possible depreciation on real estate.....	75,000 00
Liabilities on policy holders' account.....	20,247,704 36
Gross surplus on policy holders' account.....	4,735,742 81
Total liabilities.....	\$24,983,447 17

V. PREMIUM NOTE ACCOUNT.

Premium notes, loans or liens on hand Dec. 31st, of previous year.....	\$ 3,291,433 54
Premium notes, loans or liens received during the year.....	264,402 96
Total.....	\$ 3,555,836 50
Deductions during the year as follows:	
Amount of notes, loans, or liens used in pay- ment of losses and claims.....	\$ 152,228 52
Amount of notes, loans, or liens used in pur- chase of surrendered policies, and voided by lapse.....	190,011 25
Amount of notes, loans, or liens used in pay- ment of dividends to policy holders.....	223,189 67
Amount of notes, loans, or liens redeemed by maker in cash.....	8,008 73
Total reduction of premium note account.....	\$ 573,438 17
Balance, note assets at end of the year.....	2,982,398 33

BUSINESS IN MINNESOTA DURING 1878.

Number and amount of policies on the lives of cit- izens of Minnesota in force Dec. 31st, of pre- vious year.....	No. 571	\$553,772 00
Number and amount of policies on the lives of cit- izens of Minnesota issued during the year.....	No. 46	42,829 00

Deduct number and amount which have ceased to be in force during the year.....	No. 60	89,288 00
Total number and amount of policies in force in Minnesota Dec. 31, 1878.....	No. 557	507,313 00
Amount of losses and claims on policies in Minnesota unpaid Dec. 31 of previous year.....	No. 1	2,000 00
Amount of losses and claims on policies in Minnesota incurred during the year	No. 13	11,802 00
Amount of losses and claims on policies in Minnesota paid during the year.....	No. 11	11,852 23
Amount of premiums collected, or secured in Minnesota during the year, in cash and other obligations.....		10,481 78

CONNECTICUT MUTUAL LIFE INSURANCE COMPANY.

CONNECTICUT.

Principal Office, Hartford.

(Organized and commenced business 1846.)

JACOB L. GREENE, President.

JNO. M. TAYLOR, Secretary.

Attorney to accept service in Minnesota, N. H. PIERCE, Minneapolis.

Amount of net or ledger assets December 31st of previous year..\$ 45,072,083 57

I. INCOME, 1878.

Cash received for premiums without deductions..	\$ 3,287,278 43
Premium notes, loans, or liens taken in part payment for premiums.....	30,067 00
Premiums paid by dividends, and by surrendered policies.....	2,931,788 41
Total premium income	\$ 6,249,133 84
Cash received for interest upon mortgage loans.....	2,411,240 66
Cash received for interest and dividends on bonds and stocks	389,842 16
Cash received for interest on premium notes, loans, or liens.....	173,881 57
Cash received for interest on other debts due the company.....	22,133 66
Cash received for rents for use of company's property.....	144,301 45
Balance on profit and loss account.....	29,861 06
Total income.....	\$ 9,420,424 40
Total.....	\$ 54,492,507 97

II. DISBURSEMENTS, 1878.

Cash paid for losses.....	\$ 2,312,932 17
Premium notes, loans, or liens used in payment of the same.....	43,114 11
Cash paid for matured endowments.....	977,407 63
Premium notes, loans, and liens used in payment of same.....	74,139 32
Total paid for losses and matured endowments.....	\$ 3,407,593 28
Cash paid for surrendered policies.....	236,473 07
Premium notes, loans, or liens used in purchase of surrendered policies.....	323,959 69
Cash surrender values, applied in payment of premiums.....	998,604 34
Cash dividends paid to policy holders, same applied in payment of premiums.....	1,959,020 06
Premium notes, or liens used in payment of dividends to policy holders.....	387,117 65
(Total paid policy holders.....)	\$ 7,312,768 09)
Cash paid for commissions to agents.....	347,633 18
Cash paid for salaries and traveling expenses of agents and managers of agencies.....	5,540 93
Cash paid for medical examiner's fees.....	11,908 36
Cash paid for salaries and other compensation of officers and office employees.....	88,712 24
Cash paid for state and local taxes and fees.....	335,652 10
Cash paid for advertising.....	33,412 27
Cash paid for the following items, viz.: law expenses, printing and supplies, postage, express, exchange, etc.....	131,698 36
Total disbursements.....	\$ 8,267,325 53
Balance.....	\$46,225,182 44

III. ASSETS.

As per Ledger Accounts.

Cost value of real estate exclusive of all incumbrances.....	7,515,066 18
Loans on bonds and mortgage on real estate.....	26,383,983 26
Loans secured by pledge on marketable collaterals.....	30,453 28
Premium notes, loans, or liens on policies in force, the reserve on each policy being in excess of all indebtedness thereon.....	4,720,535 17
Cost value of bonds and stocks owned.....	6,278,089 39
Cash in company's office and in bank.....	1,237,668 74
Bills receivable.....	5,176 57
Agent's ledger balances.....	54,209 85
Total net or ledger assets.....	\$46,225,182 44

Other Assets.

Interest due, and accrued, on bonds and mortgages.....	\$ 1,418,323 00
Interest due, and accrued, on bonds and stocks.....	57,760 83
Interest due, and accrued, on premium notes, loans or liens.....	275,724 93
Rents due, and accrued, on company's property or lease.....	16,541 29
Market value of bonds and stocks, over cost.....	147,668 11
Net amount of uncollected and deferred premiums.....	37,928 04
Total assets as per the book of the company.....	\$48,179,128 34

Items not Admitted.

Agent's balances.....	\$	54,209 85	
Bills receivable.....		5,176 57	
Total.....	\$		59,386 42
Total assets, (less items not admitted).....	\$	48,119,741	92

IV. LIABILITIES.

Net reinsurance reserve.....	\$	40,040,642	00
Claims for death losses not due.....	\$	731,164	00
Claims for matured endowments due and unpaid		16,955	00
Policy claims, resisted by the company, and being investigated.....		195,331	00
Total policy claims.....	\$	943,450	00
Amount of all unpaid dividends or other profits due policy holders		109,371	12
Amount of any other liability of the company, viz.: premiums paid in advance.....		241,323	72
Contingent reserve on lapsed policies.....		349,198	75
Liabilities on policy holders' account.....		41,683,985	59
Gross surplus on policy holders' account.....		6,435,756	32
Total liabilities.....	\$	48,119,741	92

V. PREMIUM NOTE ACCOUNT.

Premium notes, loans or liens on hand Dec. 31, of previous year.....	\$	5,605,486	14
Premium notes, loans or liens received during the year.....		127,449	52
Total.....	\$	5,732,935	66
Deductions during the year as follows:			
Amount of notes, loans, or liens used in payment of losses and claims.....	\$	117,253	43
Amount of notes, loans, or liens used in purchase of surrendered policies, and voided by lapse.....		421,342	21
Amount of notes, loans, or liens used in payment of dividends to policy holders.....		387,117	65
Amount of notes, loans, or liens redeemed by maker in cash.....		86,687	20
Total reduction of premium note account.....	\$	1,012,400	49
Balance, note assets at end of the year.....	\$	4,720,535	17

BUSINESS IN MINNESOTA DURING 1878.

Number and amount of policies on the lives of citizens of Minnesota in force Dec. 31, of previous year.....	No. 340	\$	746,395	00
Number and amount of policies on the lives of citizens of Minnesota issued during the year.....	No. 29		51,293	00
Deduct number and amount which have ceased to be in force during the year.....	No. 27		53,870	00

Total number and amount of policies in force in Minnesota Dec. 31, 1878.....	No. 342	743,818 00
Amount of losses and claims on policies in Minnesota incurred during the year.....		17,431 00
Amount of losses and claims on policies in Minnesota paid during the year.....		7,100 00
Amount of premiums collected, or secured in Minnesota during the year, in cash and other obligations.....		15,631 92

CONTINENTAL LIFE INSURANCE COMPANY.

CONNECTICUT.

Principal Office, Hartford.

(Organized and commenced business, 1864.)

J. S. PARSONS, President.

ROBT E. BEECHER, Secretary.

Paid up capital stock.....	\$300,000 00
Amount of net or ledger assets December 31st of previous year..	2,926,959 41

I. INCOME, 1878.

Cash received for premiums without deductions..	\$350,653 03	
Premium notes, loans, or liens taken in part payment for premiums.....	79,313 21	
Deduct for reinsurance in other companies... ..	277 03	
Total premium income.....		\$429,689 21
Cash received for interest upon mortgage loans.....		24,810 00
Cash received for interest and dividends on bonds and stocks....		18,176 00
Cash received for interest on premium notes, loans, or liens.....		31,653 32
Cash received for rents for use of company's property.....		7,367 53
Total income.....	\$	511,696 06
Total.....	\$	3,438,655 47

II. DISBURSEMENTS, 1878.

Cash paid for losses and additions.....	\$ 72,305 94
Premium notes, loans or liens used in payment of the same.....	6,836 16
Cash paid for matured endowments and additions.....	94,354 79
Premium notes, loans and liens used in payment of same.....	21,391 72
Total paid for losses and matured endowments.....	\$ 194,888 61
Cash paid for surrendered policies.....	215,508 65
Premium notes, loans, or liens used in payment of same.....	95,05 92
Cash dividends paid to policy holders.....	8,464 54
Premium notes, or liens used in payment of dividends to policy holders, and voided by lapse.....	30,816 56
(Total paid policy holders.....)	(\$544,764 28)
Cash paid for commissions to agents.....	25,921 35
Cash paid for salaries and traveling expenses of agents and managers of agencies.....	25,766 54
Cash paid for medical examiner's fees.....	4,528 50
Cash paid for salaries and other compensation of officers and office employees.....	29,441 30
Cash paid for state and local taxes and fees.....	12,379 59
Cash paid for rent.....	6,478 19
Cash paid for furniture, fixtures and safe.....	7,824 28
Cash paid for advertising.....	6,178 10
Cash paid for the following items, viz: stationery, printing, legal, profit and loss, &c.....	81,262 69
Total disbursements.....	\$ 744,544 82
Balance.....	\$2,694,110 65

III. ASSETS.

As per Ledger Accounts.

Cost value of real estate exclusive of all incumbrances.....	\$ 274,984 46
Loans on bonds and mortgage on real estate.....	746,134 04
Loans secured by pledges on marketable collaterals.....	216,332 00
Loans made to policy holders on this company's policies.....	950 00
Premium notes, loans or liens on policies in force, the reserve on each policy being in excess of all indebtedness thereon.....	896,562 65
Cost value of bonds and stocks owned.....	204,930 85
Cash in company's office and in bank.....	121,168 95
Bills receivable.....	193,056 86
Agent's ledger balances.....	22,223 10
Office furniture.....	17,767 74

Total net or ledger assets.....	\$ 2,694,110 65
Deduct depreciation from cost of assets.....	12,737 50

Total net or ledger assets, less depreciation..... \$ 2,681,373 15

Other Assets.

Interest due, and accrued, on bonds and mortgages.....	\$ 77,525 92
Interest due, and accrued, on bonds and stocks.....	13,232 96
Interest due, and accrued, on collateral loans.....	15,169 16
Interest due, and accrued, on premium notes, loans or liens.....	113,920 90
Net amount of uncollected and deferred premiums.....	68,111 73

Total assets as per the book of the company..... \$ 2,969,333 82

Items not Admitted.

Furniture, fixtures and safe.....	\$ 17,767 74
Agent's balances.....	22,223 10
Bills receivable.....	193,056 86
Total.....	\$ 233,047 70
Total assets, (less items not admitted).....	\$ 2,736,286 12

IV. LIABILITIES.

Net reinsurance reserve.....	\$ 2,481,364 00
Claims for death losses, and mutual endowments in process of adjustment, or adjusted and not due.....	\$ 32,166 00
Total policy claims.....	\$ 32,166 00
Liabilities on policy holders' account.....	2,513,530 00
Gross surplus on policy holders' account.....	222,756 12
Total liabilities.....	\$ 2,736,286 12

V. PREMIUM NOTE ACCOUNT.

Premium notes, loans or liens on hand Dec. 31st, of previous year.....	\$ 980,840 66
Premium notes, loans or liens received during the year.....	79,313 21
Total.....	\$ 1,060,153 87
Deductions during the year as follows:	
Amount of notes, loans or liens used in pay- ment of losses and claims.....	\$ 28,227 88
Amount of notes, loans, or liens used in purchase of surrendered policies and voided by lapse..	125,173 10
Amount of notes, loans, or liens used in pay- ment of dividends to policy holders.....	729 28
Amount of notes, loans, or liens redeemed by maker in cash.....	9,460 86
Total reduction of premium note account....	\$ 163,591 22
Balance note assets at end of the year.....	\$ 896,562 65

BUSINESS IN MINNESOTA DURING 1878.

Number and amount of policies on the lives of citizens of Minnesota in force Dec. 31st of pre- vious year.....	No. 56	\$ 83,847 00
Number and amount of policies on the lives of citizens of Minnesota issued during the year....	No. 102	137,265 00
Deduct number and amount which have ceased to be in force during the year.....	No. 74	109,047 00
Total number and amount of policies in force in Minnesota Dec 31, 1878.....	No. 84	\$ 112,065 00
Amount of losses and claims on policies in Minn- esota incurred during the year.....	No. 1	2,000 00
Amount of losses and claims on policies in Minn- esota paid during the year.....	No. 1	2,000 00
Amount of premiums collected, or secured in Minnesota during the year, in cash and other obligations.....	-----	3,368 28

EQUITABLE LIFE ASSURANCE SOCIETY.

NEW YORK.

Principal Office, New York city.

[Organized and commenced business, 1859.]

H. B. HYDE, President.

SAMUEL BORROWE. Secretary.

Attorney to accept service in Minnesota, THOS. COCHRAN, Jr., St. Paul.

Paid up capital stock.....	\$	100,000 00
Amount of net or ledger assets December 31st, of previous year.....	\$	32,477,991 87
Decrease during 1878, (depreciation on U. S. bonds)		<u>369,553 27</u>
Extended at...	\$	32,108,438 60

I. INCOME, 1878.

Cash received for premiums without deductions..	\$	6,528,535 83
Cash received for annuities.....		<u>15,815 83</u>
Total.....	\$	6,544 351 66
Deduct for reinsurance in other companies.....		<u>601 13</u>
Total premium income.....	\$	6,543,750 53
Cash received for interest upon mortgage loans.....		765,605 59
Cash received for interest and dividends on bonds and stocks....		470,343 49
Cash received for interest on other debts due the company		127,637 94
Cash received for rents for use of company's property		307,569 82
Cash received for profits on bonds, stocks, or gold, actually sold..		<u>2,985 87</u>
Total income.....	\$	8,217,943 24
Total.....	\$	<u>40,326,381 84</u>

II. DISBURSEMENTS, 1878.

Cash paid for losses and additions.....	\$	1,902,081 00
Cash paid for matured endowments and additions		<u>290,232 33</u>
Total paid for losses and matured endowments.....	\$	2,192,313 33
Cash paid for annuitants.....		<u>21,863 38</u>

Cash paid for surrendered policies.....	1,092,930 08
Cash dividend paid to policy holders.....	1,628,064 64
Cash paid stockholders for interest or dividends.....	7,000 00
Cash paid for commissions to agents.....	321,696 55
Cash paid for salaries and traveling expenses of agents and managers of agencies.....	45,095 32
Cash paid for medical examiner's fees.....	39,636 81
Cash paid for salaries and other compensation of officers and office employees.....	281,535 88
Cash paid for state and local taxes and fees.....	83,256 17
Cash paid for rent.....	97,847 01
Cash paid for commuting commissions.....	16,446 77
Cash paid for advertising.....	36,317 37
Cash paid for the following items, viz.: postage, exchange, printing, legal, &c.....	267,010 00
Total disbursements.....	\$ 6,131,013 31
Balance.....	\$34,195,368 53

III. ASSETS.

As per Ledger Accounts.

Cost value of real estate exclusive of all incumbrances.....	\$ 6,834,904 96
Loans on bonds and mortgage on real estate.....	12,437,584 93
Loans secured by pledge on marketable collaterals.....	928,000 00
Cost value of bonds and stock owned.....	11,840,746 70
Cash in company's office, and in bank.....	1,846,603 51
Agent's ledger balances.....	247,513 58
Commuted commissions.....	60,014 85
Total net or ledger assets.....	\$34,195,368 53

Other Assets.

Interest due and accrued, on bonds and mortgages.....	369,226 85
Interest due and accrued, on bonds and stocks.....	12,993 12
Interest due and accrued, on collateral loans.....	21,137 01
Rents due and accrued, on company's property or lease.....	71,131 44
Market value of bonds and stocks, over cost.....	129,796 41
Net amount of uncollected and deferred premiums.....	523,551 00
Total assets as per the book of the company....	\$35,323,204 36

Items not Admitted.

Commuted commissions.....	\$ 60,014 85
Agent's balances.....	247,513 58
Total.....	\$ 307,528 43
Total assets, (less items not admitted).....	\$35,015,675 93

IV. LIABILITIES.

Net reinsurance reserve.....	\$27,728,943 00
Claims for death losses due and unpaid.....	\$ 51,043 00
Claims for matured endowments due and unpaid.....	23,618 64

Claims for death losses, and matured endowments in process of adjustment, or adjusted and not due.....	456,005 00	
Policy claims, resisted by the company	70,000 00	
Total policy claims.....		\$ 600,666 64
Amount of all unpaid dividends or other profits due policy holders		77,736 00
Amount of any other liability of the company, viz.: three months clause		119,543 00
Liabilities on policy holders' account.....		\$28,526,883 64
Gross surplus on policy holders' account.....		6,488,787 29
Total liabilities.....		\$35,015,675 93

BUSINESS IN MINNESOTA DURING 1878.

Number and amount of policies on the lives of citizens of Minnesota in force Dec. 31st, of previous year.....	No. 316	\$745,855 00
Number and amount of policies on the lives of citizens of Minnesota issued during the year... Deduct number and amount which have ceased to be in force during the year.....	No. 41	52,460 00
Total number and amount of policies in force Dec. 31, 1878.....	No. 78	163,460 00
Amount of losses and claims on policies in Minnesota unpaid Dec, 31, of previous year.....	No. 279	634,855 00
Amount of losses and claims on policies in Minnesota paid during the year.....		2,000 00
Amount of premiums collected, or secured in Minnesota during the year, in cash and other obligations.....		2,000 00
		13,804 44

GERMANIA LIFE INSURANCE COMPANY.

NEW YORK.

Principal Office, New York City.

(Organized and commenced business, 1860.)

HUGO WESENDONCK, President.

C. DOREMUS, Secretary.

Attorney to accept service in Minnesota, F. WILLIUS, St. Paul.

Paid up capital stock.....	\$ 200,000 00
Amount of net or ledger assets, December 31st of <i>previous year</i>	7,789,613 21

I. INCOME, 1878.

Cash received for premiums without deductions...	\$ 1,227,707 98	
Cash received for annuities.....	3,011 60	
Total premium income.....		1,230,719 58
Cash received for interest upon mortgage loans.....		316,299 46
Cash received for interest and dividends on bonds and stocks....		120,675 46
Cash received as discount on claims paid in advance.....		62 22
Cash received for rents for use of company's property.....		43,353 06
Policy fees.....		214 16
Total income.....	\$ 1,711,323 94	
Total.....		9,500,937 15

II. DISBURSEMENTS, 1878.

Cash paid for losses and additions.....	\$ 509,236 26	
Cash paid for matured endowments and additions.....	120,665 24	
Total paid for losses and matured endowments....		629,901 50
Cash paid to annuitants.....		8,496 44
Cash paid for surrendered policies.....		286,726 44
Cash dividends paid to policy holders.....		157,596 73
(Total paid policy holders.....)	\$1,082,721 11)	
Cash paid stockholders for interest or dividends.....		24,000 00
Cash paid for commissions to agents.....		102,367 82
Cash paid for salaries and traveling expenses of agents and managers of agencies.....		39,578 25
Cash paid for medical examiners fees.....		9,389 01
Cash paid for salaries and other compensation of officers and office employees.....		63,534 00
Cash paid for state and local taxes and fees.....		8,342 25
Cash paid for rent and expenses on real estate.....		30,352 86
Cash paid for commuting commissions.....		1,372 78
Cash paid for furniture, fixtures and safes.....		1,124 35
Cash paid for advertising.....		9,906 37
Cash paid for the following items, viz: stationery, postage, exchange, &c....		17,752 86
Total disbursements.....	\$ 1,390,441 66	
Balance.....	\$ 8,110,495 49	

III. ASSETS.

As per Ledger Accounts.

Cost value of real estate exclusive of all incumbrances.....	\$ 1,096,080 89	
Loans on bonds and mortgage on real estate.....	4,264,125 36	
Loans secured by pledge on marketable collaterals.....	175,000 00	
Cost value of bonds and stocks owned.....	2,462,983 41	
Cash in company's office and in banks.....	112,305 83	
Total net or ledger assets.....	\$ 8,110,495 49	
Deduct depreciation from cost of assets.....	145,677 94	
Total net or ledger assets, less depreciation.....	\$ 7,964,817 55	

Other Assets.

Interest due and accrued on bonds and mortgages.....	50,414 42
Interest due and accrued on bonds and stocks.....	23,778 33
Interest due, and accrued, on deposits in bank.....	55 27
Interest due and accrued on premium notes, loans or liens.....	1,500 00
Market value of bonds and stocks over cost.....	5,157 84
Net amount of uncollected and deferred premiums.....	222,888 44
Total assets as per the book of the company.....	\$ 8,268,611 65

IV. LIABILITIES.

Net reinsurance reserve.....	\$ 7,012,974 00
Claims for death losses due and unpaid.	\$ 11,609 27
Claims for death losses reported.....	14,718 00
Claims for death losses in process of adjustment, or adjusted and not due.....	76,453 87
Policy claims resisted by the company.....	8,127 01
Total policy claims.....	\$110,908 15
Amount of all unpaid dividends or other profits due policy holders	34,490 17
Amount accrued on account of rents.....	1,666 67
Amount of any other liability of the company, viz: extra reserve	22,474 88
Liabilities on policy holders' account.....	\$ 7,182,513 87
Gross surplus on policy holders' account.....	1,086,097 78
Total liabilities.....	\$ 8,268,611 65

BUSINESS IN MINNESOTA DURING 1878.

Number and amount of policies on the lives of citizens of Minnesota in force Dec. 31st of previ- ous year.....	No. 159	\$ 271,151 00
Number and amount of policies on the lives of citizens of Minnesota issued during the year...	No. 11	19,946 00
Deduct number and amount which have ceased to be in force during the year.....	No. 50	63,000 00
Total number and amount of policies in force in Minnesota, Dec. 31, 1878.....	No. 120	228,097 00
Amount of losses and claims on policies in Minne- sota unpaid Dec. 31 of previous year.....	No. 1	1,000 00
Amount of losses and claims on policies in Minne- sota incurred during the year.....	No. 3	5,076 48
Amount of losses and claims on policies in Minne- sota paid during the year.....	No. 3	3,252 80
Amount of premiums collected, or secured in Min- nesota during the year, in cash and other obli- gations.....		\$ 9,486 73

HOME LIFE INSURANCE COMPANY.

NEW YORK.

Principal Office, New York City.

(Organized and commenced business, May, 1860.)

GEO. C. RIPLEY, President.

J. H. HOLBROOK, Secretary.

Attorney to accept service in Minnesota, C. C. KINSMAN, Austin.

Paid up capital stock.....	\$	125,000	00
Amount of net ledger assets December 31st of previous year....		4,614,194	55

I. INCOME, 1878.

Cash received for premiums without deduction...	\$	342,922	80
Premium notes, loans, or liens taken in part payment for premiums.....		149,431	75
Total premium income.....	\$	492,354	55
Cash received for interest upon mortgage loans.....		234,758	10
Cash received for interest and dividends on bonds and stocks..		59,754	96
Cash received for interest on premium notes, loans or liens.....			
Total income.....	\$	786,867	61
Total.....		5,401,062	16

II. DISBURSEMENTS, 1878.

Cash paid for losses and additions.....	\$	190,262	99
Premium notes, loans, or liens used in payment of the same.....		13,127	01
Cash paid for matured endowments and additions.....		107,009	22
Premium notes, loans, and liens used in payment of same.....		20,190	78
Total.....	\$	330,590	00
Total paid for losses and matured endowments.....	\$	330,590	00
Cash paid to annuitants.....		1,167	17
Cash paid for surrendered policies.....		154,317	10
Premium notes, loans, or liens used in purchase of surrendered policies.....			
Cash dividends paid to policy holders.....		29,849	17

Premium notes, loans, and liens used in payment of dividends to policy holders.....	80,227 47
(Total paid policy holders.....\$ 596,150 91)	
Cash paid stockholders for interest or dividends.....	15,000 00
Cash paid for commissions to agents.....	38,176 11
Cash paid for salaries and traveling expenses of agents and managers of agencies.....	16,596 26
Cash paid for medical examiner's fees.....	1,713 40
Cash paid for salaries and other compensation of officers and office employees.....	24,049 40
Cash paid for state and local taxes and fees.....	3,727 55
Cash paid for rent and agency charges.....	8,829 80
Cash paid for advertising.....	2,655 23
Cash paid for the following items, viz.....	19,199 80
Total disbursements.....	<u>\$ 726,098 46</u>
Balance... ..	\$ 4,674,963 70

III. ASSETS.

As per Ledger Accounts.

Cost value of real estate exclusive of all incumbrances.....	\$ 269,910 58
Loans on bonds and mortgage on real estate.....	1,247,066 00
Loans secured by pledges on marketable collaterals.....	272,700 00
Premium notes, loans, or liens on policies in force, the reserve on each policy being in excess of all indebtedness thereon.....	883,449 46
Cost value of bonds and stocks owned.....	1,954,885 60
Cash in company's office and in banks.....	31,773 40
Agent's ledger balances.....	15,178 66
Total net or ledger assets, less depreciation.....	<u>\$ 4,674,963 70</u>

Other Assets.

Interest due and accrued on bonds and mortgages, stocks and loans.....	\$ 33,952 33
Market value of bonds and stocks over cost.....	32,719 40
Gross premiums due and unreported on policies in force December 31, 1878.....	\$ 74,354 00
Gross deferred premiums on policies in force Dec. 31, 1878.....	22,287 66
Total.....	<u>\$ 96,641 66</u>
Deduct the loading on the above gross am't.	19,328 33
Net amount of uncollected and deferred premiums.....	<u>\$ 77,313 33</u>
Total assets as per the book of the company.....	<u>\$ 4,818,948 76</u>

Items not Admitted.

Agent's balances.....	\$ 15,178 66
Total.....	<u>\$ 15,178 66</u>
Total assets (less items not admitted).....	<u>\$ 4,803,770 10</u>

IV. LIABILITIES.

Net reinsurance reserve	\$	3,548,474	00
Claims for matured endowments due and unpaid.	\$	7,000	00
Claims for death losses, and matured endowments in process of adjustment, or adjusted and not due.....		3,000	00
Policy claims resisted by the company.....		12,000	00
Total policy claims.....	\$	22,000	00
Amount of all unpaid dividends or other profits due policy hold- ers.....		18,410	62
Liability on policy holders' account.....	\$	3,588,884	62
Gross surplus on policy holders' account.....		1,214,885	48
Total liabilities.....	\$	4,803,770	10

V. PREMIUM NOTE ACCOUNT.

Premium notes, loans or liens on hand December 31st, of previous year.....	\$	960,470	82
Premium notes, loans or liens received during the year.....		149,431	75
Total.....	\$	1,109,902	57
Deductions during the year as follows :			
Amount of notes, loans, or liens used in payment of losses and claims.....	\$	33,317	79
Amount of notes, loans, or liens used in purchase of surrendered policies.....		110,147	85
Amount of notes, loans, or liens used in payment of dividends to policy holders.....		80,227	47
Amount of notes, loans, or liens redeemed by maker in cash.....		2,760	00
Total reduction of premium note account.....	\$	226,453	11
Balance, note assets at end of the year	\$	883,449	46

BUSINESS IN MINNESOTA DURING 1878.

Number and amount of policies on the lives of citizens of Minnesota in force December 31st of previous year.....	No.	72	\$	115,000	00
Number and amount of policies on the lives of citizens of Minnesota issued during the year...	No.	6		8,120	00
Deduct number and amount which have ceased to be in force during the year.....	No.	30		45,200	00
Total number and amount of policies in force in Minnesota December 31, 1878.....	No.	48		77,920	00
Amount of losses and claims on policies in Minne- sota incurred during the year.....	No.	1		1,000	00
Amount of losses and claims on policies in Minne- sota paid during the year.....	No.	1		1,000	00
Amount of premiums collected or secured in Min- nesota during the year in cash and other obli- gations.....				1,020	83

MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY

MASSACHUSETTS.

Principal Office, Springfield.

[Organized and commenced business August, 1851.]

E. W. BOND, President.

A. J. SMITH, Secretary.

Attorney to accept service in Minnesota, B. W. KIMBALL, Minneapolis.

Amount of net or ledger assets December 31st of previous year...\$ 5,997,314 49

I. INCOME, 1878.

Cash received for premiums without deductions..\$	714,234 85	
Premium notes, loans or liens taken in part payment for premiums.....	126,293 48	
Total.....\$	840,528 33	
Deduct for re-insurance in other companies.....	5,722 13	
Total premium income.....\$		834,806 20
Cash received for interest upon mortgage loans.....		200,328 53
Cash received for interest and dividends on bonds and stocks....		26,437 77
Cash received for interest on premium notes, loans or liens.....		47,147 61
Cash received as discount on claims paid in advance..		2,093 91
Cash received for rents for use of company's property.....		19,217 13
Cash received for other items of interest.....		1,368 51
Total income.....\$		1,131,399 66
Total.....\$		7,128,714 15

II. DISBURSEMENTS, 1878.

Cash paid for losses and additions.....\$	342,965 52	
Premium notes, loans or liens used in payment of the same.....	11,680 23	
Cash paid for matured endowments and additions	76,370 96	
Premium notes, loans and liens used in payment of same.....	13,016 04	
Total.....\$	444,032 75	
Deduct reinsurance received from other companies	10,000 00	
Total paid for losses and matured endowments.....\$		434,032 75
Cash paid for surrendered policies.....		26,352 08

Premium notes, loans or liens used in purchase of surrendered policies.....	81,096 78
Cash surrendered values, applied in payment of premiums.....	67,167 27
Cash dividends paid to policy holders.....	102,956 18
Premium notes or liens used in payment of dividends to policy holders.....	91,851 04
(Total paid policy holders.....\$803,456 10)	
Cash paid for commissions to agents.....	47,430 37
Cash paid for salaries and traveling expenses of agents and managers of agencies.....	44,628 22
Cash paid for medical examiner's fees.....	3,160 50
Cash paid for salaries and other compensation of officers and office employees.....	43,549 96
Cash paid for state and local taxes and fees	11,129 89
Cash paid for rent.....	10,107 70
Cash paid for advertising and printing.....	5,178 92
Cash paid for the following items, viz: All other expenses.....	68,393 43
Total disbursements.....	\$ 1,037,035 09
Balance.....	\$ 6,091,679 06

III. ASSETS.

As per Ledger Accounts.

Cost value of real estate exclusive of all incumbrances.....	\$ 959,064 99
Loans on bonds and mortgage on real estate.....	2,990,147 76
Loans secured by pledge on marketable collaterals.....	267,622 01
Loans made to policy holders on this company's policies.....	48,990 00
Premium notes, loans or liens on policies in force, the reserve on each policy being in excess of all indebtedness thereon.....	742,726 68
Cost value of bonds and stocks owned.....	972,927 81
Cash in company's office and in banks.....	105,935 03
Bills receivable.....	4,264 78
Total net or ledger assets.....	\$ 6,091,679 06
Deduct depreciation from cost of assets.....	46,502 23
Total net or ledger assets, less depreciation....	\$ 6,045,176 83

Other Assets.

Interest due, and accrued, on bonds and mortgages.....	\$ 173,085 48
Interest due, and accrued, on bonds and stocks.....	1,211 67
Interest due, and accrued, on collateral loans.....	10,194 71
Interest due, and accrued, on premium notes, loans or liens.....	24,803 52
Rents due, and accrued, on company's property or lease.....	2,102 65
Market value of real estate, over cost.....	43,345 01
Net amount of uncollected and deferred premiums.....	117,203 69
Furniture, fixtures and safes.....	4,000 00
Cash in hands of agent secured.....	4,667 50
Total assets as per the book of the company.....	\$ 6,425,791 06

Items not Admitted.

Furniture, fixtures and safes.....	\$ 4,000 00
Cash in hands of agents.....	4,667 50
Bills receivable.....	4,264 78
Total.....	\$ 12,932 28
Total assets, (less items not admitted).....	\$ 6,412,858 78

IV. LIABILITIES.

Net reinsurance reserve.....	\$	5,728,866	00
Claims for matured endowments due and unpaid.	\$	5,000	00
Claims for death losses and matured endowments in process of adjustment, or adjusted and not due.....		141,815	00
Policy claims resisted by the company.		35,405	00
Total policy claims.....	\$	182,220	00
Amount of all unpaid dividends or other profits due policy holders		15,801	08
Amount of any other liability of the company, viz: Premiums paid in advance		3,955	06
Liabilities on policy holders' account.....	\$	5,930,842	14
Gross surplus on policy holders' account.....		482,016	64
Total liabilities.....	\$	6,412,858	78

V. PREMIUM NOTE ACCOUNT.

Premium notes, loans or liens on hand Dec. 31st of previous year.....	\$	813,867	17
Premium notes, loans or liens received during the year.....		129,492	54
Total	\$	843,359	71
Deductions during the year as follows:			
Amount of notes, loans or liens used in pay- ment of losses and claims.....	\$	24,696	27
Amount of notes, loans or liens used in purchase of surrendered policies and voided by lapse..		78,274	48
Amount of notes, loans and liens used in pay- ment of dividends to policy holders.....		91,851	04
Amount of notes, loans or liens redeemed by maker in cash.....		3,242	09
Total reduction of premium note account.....	\$	198,063	88
Balance note assets at end of the year.....	\$	745,295	83

BUSINESS IN MINNESOTA DURING 1878.

Number and amount of policies on the lives of citizens of Minnesota in force Dec. 31st, of pre- vious year.....	No. 84	\$	206,547	00
Number and amount of policies on the lives of citizens of Minnesota issued during the year...	No. 5		4,620	00
Deduct number and amount which have ceased to be in force during the year.....	No. 9		27,682	00
Total number and amount of policies in force in Minnesota Dec. 31, 1878	No. 80		183,485	00
Amount of losses and claims on policies in Minn- esota incurred during the year.....	No. 1		4000	00
Amount of losses and claims on policies in Minne- sota paid during the year.....	No. 1		400	00
Amount of premiums collected or secured in Minnesota during the year, in cash and other obligations	-----		6,075	67

MUTUAL BENEFIT LIFE INSURANCE COMPANY.

NEW JERSEY.

Principal Office, Newark, N. J.

(Organized and commenced business, 1845.)

L. C. GROVER, President.

E. A. STRONG, Secretary

Attorney to accept service in Minnesota, WINDOM & DOUGLAS, Winona.

Amount of net or ledger assets December 31st of previous year..\$32,252,129 96

I. INCOME, 1878.

Cash received for premiums without deductions..	\$ 3,883,257 75
Premium notes, loans, or liens taken in part payment for premiums	154,039 08
Cash resh received for annuities.....	6,974 22
Total premium income	\$ 4,044,271 05
Cash received for interest upon mortgage loans.....	717,393 17
Cash received for interest and dividends on bonds and stocks....	974,689 88
Cash received for interest on premium notes, loans, or liens....	313,633 15
Cash received as discount on claims paid in advance.....	10,273 43
Cash received for rents for use of company's property.....	2,975 00
Total income.....	\$ 6,063,240 68
Total.....	\$33,315,370 64

II. DISBURSEMENTS, 1878.

Cash paid for losses and additions.....	\$ 1,653,708 64
Premium notes, loans, or liens used in payment of same	108,550 86
Cash paid for matured endowments and additions	499,116 99
Premium notes, loans, and liens used in payment of same.....	149,113 01
Total paid for losses and matured endowment.....	\$ 2,410,489 50
Cash paid to annuitants.....	3,772 33
Cash paid for surrendered policies.....	762,549 59

Premium notes, loans, or liens used in purchase of surrendered policies.....	291,784 91
Cash dividends paid to policy holders.....	1,399,401 46
Premium notes, or liens used in payment of dividends to policy holders.....	88,193 63
(Total paid policy holders.....\$ 4,956,191 42)	
Cash paid for commissions to agentf and agency expenses.....	270,201 46
Cash paid for medical examiner's fees.....	23,675 61
Cash paid for salaries and other compensation of officers and office employees.....	88,087 50
Cash paid for state and local taxes and fees.....	68,767 01
Cash paid for the following items, viz.: printing, legal, profit and loss, &c., and premiums on bonds purchased	371,755 29
Total disbursements.....	\$ 5,778,678 29
Total.....	\$32,536,692 35

III. ASSETS.

As per Ledger Accounts.

Cost value of real estate exclusive of all incumbrances.....	\$ 296,441 67
Loans on bonds and mortgage on real estate.....	9,853,332 44
Premium notes, loans, or liens on policies in force, the reserve on each policy being in excess of all indebtedness thereon.....	4,803,623 78
Cost value of bonds and stocks owned.....	15,806,084 78
Cash in company's office, and in bank.....	474,829 83
Agent's ledger balances.....	27,077 35
Real estate taken on foreclosure.....	1,275,302 50
Total net or ledger assets.....	\$32,536,692 35

Other Assets.

Interest due, and accrued, on bonds and mortgages.....	\$ 484,128 36
Interest due, and accrued, on bonds and stocks.....	142,889 00
Interest due, and accrued, on premium notes, loans or liens.....	120,090 80
Market value of bonds and stocks, over par.....	1,447,316 53
Net amount of uncollected and deferred premiums	149,585 42
Total assets as per book of the company.....	\$34,880,702 46

Items not Admitted.

Agent's balances.....	\$ 27,077 35
Total.....	\$ 27,077 35
Total assets. (less items not admitted).....	\$34,853,625 11

IV. LIABILITIES.

Net reinsurance reserve.....	\$28,055,941 00
Claims for death losses, and matured endowments in process of adjustment, or adjusted and not due.....	\$ 623,502 00
Policy claims, resisted by the company.....	45,000 00
Total policy claims.....	\$ 668,502 00

Amount of all unpaid dividends or other profits due policy holders	239,986 57
Amount of any other liability of the company, viz.: premiums paid in advance.....	7,348 88
Liabilities on policy holders' account.....	\$28,971,778 45
Gross surplus on policy holders' account.....	5,881,846 66
Total liabilities....	\$34,853,625 11

V. PREMIUM NOTE ACCOUNT.

Premium notes, loans or liens on hand Dec. 31st, of previous year.....	\$ 5,310,178 64
Premium notes, loans or liens received during the year.....	154,039 08
Total.....	\$ 5,464,217 72
Deductions during the year as follows:	
Amount of notes, loans, or liens used in payment of losses and claims.....	\$ 257,603 87
Amount of notes, loans, or liens used in purchase of surrendered policies, and voided by lapse..	291,784 91
Amount of notes, loans, or liens used in payment of dividends to policy holders.....	88,193 63
Amount of notes, loans, or liens redeemed by maker in cash....	22,951 53
Total reduction of premium note account	\$ 660,593 94
Balance, note assets at end of the year,.....	\$ 4,803,623 78

BUSINESS IN MINNESOTA DURING 1878.

Number and amount of policies on the lives of citizens of Minnesota in force Dec. 31st of previous year.....	No. 356	\$659,141 00
Number and amount of policies on the lives of citizens of Minnesota issued during the year....	No. 7	6,560 00
Deduct number and amount which have ceased to be in force during the year	No. 12	49,450 00
Total number and amount of policies in force in Minnesota Dec. 31, 1878.....	No. 351	616,251 00
Amount of losses and claims on policies in Minnesota unpaid Dec. 31 of previous year.....		2,000 00
Amount of losses and claims on policies in Minnesota incurred during the year.....		4,250 00
Amount of losses and claims on policies in Minnesota paid during the year.....		4,000 00
Amount of premiums collected, or secured in Minnesota during the year, in cash and other obligations.....		10,374 09

MUTUAL LIFE INSURANCE COMPANY.

NEW YORK.

Principal Office, New York City.

[Organized and commenced business 1842.]

F. S. WINSTON, President.

ISAAC F. LLOYD, Secretary.

Attorney to accept service in Minnesota, H. A. GALE, Minneapolis.

Amount of net or ledger assets Dec. 31st of previous year.....\$82,355,678 27

I. INCOME, 1878.

Cash received for premiums without deductions...	\$13,081,904 83
Cash received for annuities.....	10,815 00
Total premium income...	<u>\$13,092,719 83</u>
Cash received for interest upon mortgage loans.....	3,686,961 52
Cash received for interest and dividends on bonds and stocks....	940,301 10
Cash received for interest on other debts due the company.....	52,527 52
Cash received for rents for use of company's property.....	69,314 63
Cash received for profits on bonds, stocks or gold, actually sold..	3,302 97
Total income.....	<u>\$17,845,127 57</u>
Total.....	<u>\$100,200,805 84</u>

II. DISBURSEMENTS, 1878.

Cash paid for losses and additions.....	\$ 3,267,087 93
Cash paid for matured endowments and additions	<u>2,060,795 08</u>
Total paid for losses and mutual endowments.....	<u>\$ 5,327,883 01</u>
Cash paid to annuitants.....	26,697 97
Cash paid for surrendered policies.....	5,489,989 15
Cash dividends paid to policy holders.....	3,555,462 00
(Total paid policy holders.....)	<u>\$14,400,032 13</u>
Cash paid for commissions to agents.....	333,352 29
Cash paid for expenses of law department.....	83,157 26

Cash paid for medical examiner's fees.....	84,686 77
Cash paid for salaries and other compensation of officers and office employees.....	249,504 02
Cash paid for state and local taxes and fees.....	54,645 45
Cash paid for rent.....	6,000 00
Cash paid for commuting commissions.....	199,144 34
Balance of contingent guarantee account.....	277,101 09
Cash paid for advertising.....	57,769 42
Cash paid for the following items, viz: Exchange, postage, printing, &c.....	281,336 65
Total disbursements.....	<u>\$16,026,729 42</u>
Balance.....	\$ 84,174,076 42

III. ASSETS.

As per Ledger Accounts.

Cost value of real estate exclusive of all incumbrances.....	\$ 6,319,051 73
Loans on bonds and mortgage on real estate.....	57,368,331 99
Value of bonds and stocks owned.....	17,835,869 55
Cash in company's office and in bank.....	3,100,516 10
Agent's ledger balances.....	53,001 42

Other Assets.

Interest due, and accrued, on bonds, mortgages and stocks.....	\$ 1,485,854 00
Net amount of uncollected and deferred premiums.....	723,817 30
Total assets as per book of the company.....	<u>\$ 86,886,342 09</u>

Items not Admitted.

Agent's balances.....	\$ 53,001 42
Total.....	<u>\$ 53,001 42</u>
Total assets, (less items not admitted).....	<u>\$86,833,340 67</u>

IV. LIABILITIES.

Net reinsurance reserve.....	\$74,480,680 00
Claims for death losses due and unpaid.....	\$ 66,002 00
Claims for death losses, and matured endowments in process of adjustment, or adjusted and not due.....	582,574 00
Policy claims resisted by the company.....	132,031 00
Total policy claims.....	<u>\$ 784,607 00</u>
Amount of any other liabilities of the company, viz: Premiums paid in advance.....	265,664 37
Liabilities on policy holders' account.....	75,526,951 37
Gross surplus on policy holders' account.....	11,306,389 30
Total liabilities.....	<u>\$86,833,340 67</u>

BUSINESS IN MINNESOTA DURING 1878.

Number and amount of policies on the lives of citizens of Minnesota in force Dec. 31st of previous year.....	No. 930	\$ 2,097,622 00
Number and amount of policies on the lives of citizens of Minnesota issued during the year....	No. 78	161,230 00
Deduct number and amount which have ceased to be in force during the year.....	No. 97	238,594 00
Total number and amount of policies in force in Minnesota Dec. 31, 1878.....	No. 911	2,020,258 00
Amount of losses and claims on policies in Minnesota unpaid Dec. 31 of previous year.....	No. 3	4,021 00
Amount of losses and claims on policies in Minnesota incurred during the year.....	No. 5	12,096 00
Amount of losses and claims on policies in Minnesota paid during the year.....	No. 8	16,117 00
Amount of premiums collected or secured in Minnesota during the year, in cash and other obligations.....		60,279 83

NATIONAL LIFE INSURANCE COMPANY.

VERMONT.

Principal Office, Montpelier, Vt.

(Organized and commenced business, 1850.)

CHARLES DEWEY, President.

GEO. W. REED, Secretary.

Attorney to accept service in Minnesota, P. D. McMILLAN, Minneapolis.

Paid up capital stock.....	\$ 50,000 00
Amount of net or ledger assets December 31st of previous year.....	\$ 2,039,046 09
Decrease of capital during 1878.....	16,000 00
Extended at.....	\$ 2,023,046 09

I. INCOME, 1878.

Cash received for premiums without deductions..\$	228,192 74
Premium notes, loans, or liens taken in part payment for premiums.....	3,449 84
Total premium income.....\$	231,642 58
Cash received for interest upon mortgage loans.....	38,033 32
Cash received for interest and dividends on bonds and stocks....	57,066 48
Cash received for interest on premium notes, loans or liens.....	1,219 78
Cash received for interest on other debts due the company.....	4,828 88
Cash received as discount on claims paid in advance.....	364 09
Cash received for rents for use of company's property.....	2,737 79
Total income.....\$	335,892 92
Total.....\$	2,358,939 01

II. DISBURSEMENTS, 1878.

Cash paid for losses and additions.....\$	81,758 73
Premium notes, loans, or liens used in payment of same.....	186 63
Cash paid for matured endowments and additions.....	10,624 04
Premium notes, loans, and liens used in payment of same.....	275 96
Total paid for losses and matured endowments.....\$	92,845 36
Cash paid to annuitants.....	1,526 29
Cash paid for surrendered policies.....	51,145 45
Premium notes, loans, or liens used in purchase of surrendered policies.....	1,920 57
Cash dividends paid to policy holders.....	48,327 60
Premium notes or liens used in payment of dividends to policy holders....	1,378 64
(Total paid policy holders.....\$	197,143 91)
Cash paid stockholders for interest or dividends.....	4,060 00
Cash paid for commissions to agents.....	11,065 05
Cash paid for salaries and traveling expenses of agents and managers of agencies.....	4,551 58
Cash paid for medical examiner's fees.....	1,116 70
Cash paid for salaries and other compensation of officers and office employes....	9,464 09
Cash paid for state and local taxes and fees.....	4,852 54
Cash paid for rent.....	1,536 64
Cash paid for advertising.....	127 00
Cash paid for the following items, viz: office postage and incidentals.....	4,906 84
Total disbursements.....\$	238,824 35
Balance.....\$	2,120,114 66

III. ASSETS.

As per Ledger Accounts.

Cost value of real estate exclusive of all incumbrances.....\$	204,183 75
Loans on bonds and mortgage on real estate.....	694,745 05
Loans secured by pledge on marketable collaterals.....	115,300 00

Loans made to policy holders on this company's policies.....	11,345 37
Premium notes, loans, or liens on policies in force, the reserve on each policy being in excess of all indebtedness thereon.....	25,110 59
Cost value of bonds and stocks owned.....	984,500 00
Cash in company's office.....	2,432 65
Cash deposited in banks.....	46,283 35
Agent's ledger balances, paid since \$20,863 84.....	36,207 90
Total net or ledger assets.....	\$ 2,120,114 66
Deduct depreciation from cost of assets.....	22,600 00
Total net or ledger assets, less depreciation.....	\$ 2,097,514 66

Other Assets.

Interest due and accrued on bonds and mortgages.....	\$ 52,634 32
Interest due and accrued on bonds and stocks.....	5,917 25
Interest due and accrued on collateral loans.....	4,049 99
Interest due and accrued on premium notes, loans or liens.....	1,190 04
Market value of bonds and stocks over cost.....	30,506 25
Net amount of uncollected and deferred premiums.....	15,144 46

Total assets as per the book of the company.....\$ 2,206,956 97

Items not Admitted.

Agent's balances.....	\$ 15,344 06
Total.....	\$ 15,344 06
Total assets (less items not admitted).....	\$ 2,191,612 91

IV. LIABILITIES.

Net reinsurance reserve.....	\$ 1,378,583 98
Claims for death losses, and matured endowments in process of adjustment, or adjusted and not due.....	\$ 14,600 00
Total policy claims.....	\$ 14,600 00
Amount of all unpaid dividends or other profits due policy holders.....	85,609 96
Liabilities on policy holders' account.....	\$ 1,478,804 94
Gross surplus on policy holders' account.....	712,907 97
Total liabilities.....	\$ 2,191,612 91

V. PREMIUM NOTE ACCOUNT.

Premium notes, loans, or liens on hand December 31st of previous year.....	\$ 26,107 71
Premium notes, loans, or liens received during the year.....	\$ 3,449 84
Total.....	\$ 29,557 55
Deductions during the year as follows:	
Amount of notes, loans or liens used in payment of losses and claims.....	\$ 462 59

Amount of notes, loans, or liens used in purchase of surrendered policies, and voided by lapse...	2,605 73	
Amount of notes, loans, or liens used in payment of dividends to policy holders.....	1,378 64	
Total reduction of premium note account.....	\$	4,446 96
Balance note assets at end of the year.....	\$	25,110 59

BUSINESS IN MINNESOTA DURING 1878.

Number and amount of policies on the lives of citizens of Minnesota in force December 31st of previous year.....	No. 22	\$	33,000 00
Number and amount of policies on the lives of citizens of Minnesota issued during the year.....	No. 4		9,000 00
Total number and amount of policies in force in Minnesota, December 31, 1878.....	No. 26		42,000 00
Amount of premiums collected or secured in Minnesota during the year, in cash and other obligations.....			1,126 28

NATIONAL LIFE INSURANCE COMPANY, OF U. S. OF A.

DISTRICT OF COLUMBIA.

Principal Office, Washington, D. C.

(Organized and commenced business, 1868.)

E. W. PEET, President.

J. M. BUTLER, Secretary.

Attorney to accept service in Minnesota, JOSIAH THOMPSON, JR., Minneapolis.

Paid up capital stock ..	\$	1,000,000 00
Amount of net or ledger assets Dec. 31st of previous year.....		3,833,278 15

I. INCOME, 1878.

Cash received for premiums without deductions..	\$	407,579 66
Premium notes, loans, or liens taken in part payment for premiums.....		14,351 56
Premiums paid by surrendered policies.....		148,590 59
Total.....	\$	570,521 81
Deduct for reinsurance in other companies.....		10,299 56
Total premium income.....	\$	560,222 25

Cash received for interest upon mortgage loans.....	112,692 74
Cash received for interest and dividends on bonds and stocks....	40,274 09
Cash received for interest on premium notes, loans, or liens.....	2,850 24
Cash received for interest on other debts due the company.....	34,535 87
Cash received as discount on claims paid in advance.....	721 52
Cash received for rents for use of company's property.....	34,609 45
Total income.....	\$ 785,906 16
Total.....	\$ 4,619,184 31

II. DISBURSEMENTS, 1878.

Cash paid for losses and additions.....	\$ 257,809 35
Premium notes, loans, or liens used in payment of the same.....	5,514 82
Cash paid for matured endowments and additions.....	45,439 24
Premium notes, loans, and liens used in payment.....	4,710 76
Deduct reinsurance received from other companies.....	7,000 00
Total paid for losses and matured endowments.....	\$ 306,474 18
Cash paid to annuitants.....	344 00
Cash paid for surrendered policies.....	85,846 28
Premium notes, loans, or liens used in purchase of surrendered policies.....	6,244 46
Cash surrender values, including reconverted additions applied in payment of premiums.....	170,071 19
(Total paid policy holders.....)	\$ 563,980 10)
Cash paid stockholders for interest or dividends.....	16,162 24
Cash paid for commissions to agents.....	31,891 78
Cash paid for salaries and traveling expenses of agents and man- agers of agencies.....	16,273 35
Cash paid for medical examiner's fees.....	4,135 57
Cash paid for salaries and other compensation of officers and office employees.....	46,765 15
Cash paid for state and local taxes and fees.....	28,130 44
Cash paid for rent.....	6,870 78
Cash paid for advertising.....	6,135 42
Cash paid for the following items, viz: postage, exchange, print- ing, &c.....	36,808 63
Total disbursements.....	\$ 762,090 46
Balance.....	\$ 3,857,093 85

III. ASSETS.

As per Ledger Accounts.

Cost value of real estate exclusive of all incumbrances.....	\$ 792,965 43
Loans on bonds and mortgage on real estate.....	1,693,341 68
Loans secured by pledge on marketable collaterals.....	413,235 40
Loans made to policy holders on this company's policies.....	7,572 13
Premium notes, loans, or liens on policies in force, the reserve on each policy being in excess of all indebtedness thereon.....	35,992 45
Cost value of bonds and stocks owned.....	702,856 96
Cash in company's office and in bank.....	188,149 60
Bills receivable.....	3,077 71
Agent's ledger balances.....	5,792 49
Office furniture, \$3,000; Commuted commissions, \$11,190.....	14,190 00
Total net or ledger assets.....	\$ 3,857,093 85

Other Assets.

Interest due and accrued on bonds and mortgages.....	\$ 67,608 03
Interest due and accrued on bonds and stocks.....	3,272 78
Interest due and accrued on collateral loans.....	1,277 06
Interest due and accrued on premium notes, loans or liens.....	541 21
Rents due and accrued on company's property or lease.....	7,323 76
Market value of bonds and stocks over cost.	4,605 37
Net amount of uncollected and deferred premiums.....	63,122 65

Total assets as per the book of the company.....\$ 4,004,844 71

Items not Admitted.

Furniture, fixtures, and safes.....	\$ 3,000 00
Commuted commissions.....	11,190 00
Agent's balances.....	5,792 49
Claims against receivers of other companies.....	57,828 83
Bills receivable.....	3,077 71

Total.....\$ 80,889 03

Total assets (less items not admitted).....\$ 3,923,955 68

IV. LIABILITIES.

Net reinsurance reserve.....	\$ 3,021,087 00
Claims for death losses and matured endowments in process of adjustment, or adjusted and not due.....	100,889 79
Policy claims resisted by the company.....	5,000 00

Total policy claims.....\$ 105,889 79

Amount of any other liability of the company, viz : premiums paid in advance.....	56,066 29
Reserve for lapsed policies.....	15,543 01

Liabilities on policy holders' account.....	\$ 3,198,586 09
Gross surplus on policy holders' account.....	725,369 59

Total liabilities... ..\$ 3,923,955 68

V. PREMIUM NOTE ACCOUNT.

Premium notes, loans, on hand December 31st of previous year.....	\$ 56,398 90
Premium notes, loans, or liens received during the year.	14, 51 56

Total.....\$ 70,750 46

Deductions during the year as follows :	
Amount of notes, loans, or liens used in payment of losses and claims.....	\$ 10,225 58
Amount of notes, loans, or liens used in purchase of surrendered policies and voided by lapse....	6,244 46
Amount of notes, loans, or liens redeemed by maker in cash.....	10,785 84

Total reduction of premium note account.....\$ 27,255 88

Balance, note assets at end of the year.....\$ 43,494 58

BUSINESS IN MINNESOTA DURING 1878.

Number and amount of policies on the lives of citizens of Minnesota in force December 31st of previous year.....	No. 222	\$	254,007 00
Number and amount of policies on the lives of citizens of Minnesota issued during the year...	No. 44		37,508 00
Deduct number and amount which have ceased to be in force during the year.....	No. 47		62,685 00
Total number and amount of policies in force in Minnesota December 31, 1878.....	No. 219		228,920 00
Amount of losses and claims on policies in Minnesota unpaid December 31st of previous year....	No. 1		5,000 00
Amount of losses and claims on policies in Minnesota incurred during the year.....	No. 2		3,000 00
Amount of losses and claims on policies in Minnesota paid during the year.....	No. 1		2,000 00
Amount of premiums collected or secured in Minnesota during the year, in cash and other obligations.....			4,187 00

NEW ENGLAND MUTUAL LIFE INSURANCE COMPANY.

MASSACHUSETTS.

Principal Office, Boston, Mass.

(Organized and commenced business 1843.)

BENJ. F. STEVENS, President.

J. M. GIBBENS, Secretary.

Amount of net or ledger assets December 31st of previous year..\$14,113,271 43

I. INCOME, 1878.

Cash received for premiums without deductions..\$	1,215,181 21
Premium notes, loans, or liens taken in part payment for premiums	464,841 92
Total premium income.....	\$ 1,680,023 13
Cash received for interest upon mortgage loans.....	135,528 24
Cash received for interest and dividends on bonds and stocks....	473,815 36
Cash received for interest on premium notes, loans, or liens.....	124,059 12

Cash received for interest on collateral loans.....	24,477 38
Cash received for rents for use of company's property.....	55,084 67
Balance, profit and loss account.....	7,122 73
Total income.....	\$ 2,500,110 63
Total.....	\$ 16,613,382 06
Deduct for depreciation on real estate and other securities.....	508,182 07
Balance.....	\$ 16,105,199 99

II. DISBURSEMENTS, 1878.

Cash paid for losses and additions....	\$ 643,311 49
Premium notes, loans, or liens used in payment of the same.....	30,744 51
Cash paid for endowments and additions....	317,779 17
Premium notes, loans, and liens used in payment of same.....	60,457 83
Total paid for losses and matured endowments.....	\$ 1,052,293 00
Cash paid for surrendered policies.....	273,590 06
Premium notes, loans, or liens used in purchase of surrendered policies.....	73,198 77
Cash dividends paid to policy holders.....	398,604 31
Premium notes or liens used in payment of dividends to policy holders.....	106,648 02
(Total paid policy holders.....)	\$ 1,904,334 16)
Cash paid for commissions to agents.....	74,494 68
Cash paid for medical examiner's fees.....	4,768 90
Cash paid for salaries and other compensation of officers and office employees.....	79,568 71
Cash paid for state and local taxes and fees.....	16,077 79
Cash paid for advertising.....	11,578 90
Cash paid for the following items, viz: printing, stationery, postage, exchange, interest on investments, &c.....	125,695 60
Total disbursements.....	\$ 2,216,586 84
Balance.....	\$ 13,888,663 15

III. ASSETS.

As per Ledger Accounts.

Cost value of real estate exclusive of all incumbrances.....	\$ 1,274,100 00
Loans on bonds and mortgage on real estate.....	2,259,750 00
Loans secured by pledge on marketable collaterals	137,150 00
Loans made to policy holders on this company's policies.	6,700 00
Premium notes, loans, or liens on policies in force, the reserve on each policy being in excess of all indebtedness thereon.....	1,487,703 47
Cost value of bonds and stocks owned.....	8,257,703 07
Cash deposited in banks.....	220,990 00
Bills receivable, quarterly and semi-annual premium notes.....	234,766 40
Cash on special deposit.....	9,000 00
Total net or ledger assets, less depreciation.....	\$ 13,888,663 15

Other Assets.

Interest due and accrued on bonds and mortgages.....	\$	45,034	15
Interest due and accrued on bonds and stocks.....		108,934	14
Interest due and accrued on collateral loans.....		3,189	84
Interest due and accrued on premium notes, loans or liens.....		43,000	00
Rents due and accrued on company's property or lease.....		12,466	85
Market value of bonds and stocks over cost.....		704,581	05
Gross deferred premiums on policies in force Dec.			
31, 1878.....	\$	150,951	67
Deduct the loading on the above gross amount...		15,095	00

Net amount of uncollected and deferred premiums.....\$ 135,856 67

Total assets as per the book of the company.....\$ 14,946,725 85

IV. LIABILITIES.

Net reinsurance reserve.....	\$	12,677,903	00
Claims for death losses unpaid.....	\$	151,195	00
Claims for matured endowments unpaid.....		44,183	00
Total policy claims.....	\$	195,378	00
Amount of all unpaid dividends or other profits due policy holders		177,147	41
Liabilities on policy holders' account.....	\$	13,050,428	41
Gross surplus on policy holders' account.....		1,896,297	44
Total liabilities.....	\$	14,946,725	85

V. PREMIUM NOTE ACCOUNT.

Premium notes, loans, or liens on hand December			
31st of previous year.....	\$	1,855,959	66
Premium notes, loans, or liens received during the			
year.....		464,841	92
Total.....	\$	2,320,801	58
Deductions during the year as follows:			
Amount of notes, loans, or liens used in payment			
of losses and claims.....	\$	91,202	34
Amount of notes, loans, or liens used in purchase			
of surrendered policies, and voided by lapse...		73,198	66
Amount of notes, loans, or liens used in payment			
of dividends to policy holders.....		106,648	02
Amount of notes, loans, or liens redeemed by			
maker in cash.....		327,282	58
Total reduction of premium note account.....	\$	598,331	71
Balance, note assets at end of the year.....	\$	1,722,469	87

BUSINESS IN MINNESOTA DURING 1878.

Number and amount of policies on the lives of			
citizens of Minnesota in force December 31st of			
previous year.....	No. 328	\$	971,996 00
Number and amount of policies on the lives of			
citizens of Minnesota issued during the year...	No. 18		64,000 00

Deduct number and amount which have ceased to be in force during the year....	No. 5	10,000 00
Total number and amount of policies in force in Minnesota, Dec. 31, 1878.....	No. 341	1,025,996 00
Amount of losses and claims on policies in Minnesota incurred during the year.....	No. 1	4,000 00
Amount of premiums collected or secured in Minnesota during the year, in cash and other obligations.....		18,661 64

NEW YORK LIFE INSURANCE COMPANY.

NEW YORK.

Principal office, New York City.

[Organized and commenced business 1845.]

MORRIS FRANKLIN, President.

Attorney to accept service in Minnesota, I. F. A. STUDDARD, St. Paul.

Amount of net or ledger assets December 31st of previous year..\$ 33,573,537 31

I. INCOME, 1878.

Cash received for premiums without deductions..\$ 5,359,359 21
 Cash received for annuities..... 403,006 36

Total.....\$ 5,762,365 57
 Deduct for reinsurance in other companies..... 72,813 58

Total premium income.....\$ 5,689,551 99
 Cash received for interest upon mortgage loans. 927,282 41
 Cash received for interest and dividends on bonds and stocks.... 862,947 31
 Cash received for interest on premium notes, loans, or liens.... 71,910 33
 Cash received for interest on other debts due the company..... 21,398 98
 Cash received for rents for use of company's property..... 74,795 47

Total income.....\$ 7,647,886 54

Total.....\$ 41,221,423 85

II. DISBURSEMENTS, 1878.

Cash paid for losses and additions.	\$ 1,738,843 56	
Premium notes, loans, or liens used in payment of the same.	19,977 05	
Cash paid for matured endowments and additions.	671,981 86	
Premium notes, loans, or liens used in payment of the same.	1,069 88	
Deduct reinsurance received from other companies.	71,145 00	
Total paid for losses and matured endowments.	\$ 2,360,727 35	
Cash paid to annuitants.	158,191 71	
Cash paid for surrendered policies.	695,155 47	
Premium notes, loans, or liens used in purchase of surrendered policies.	37,844 13	
Cash dividends paid to policy holders.	1,537,980 92	
Premium notes or liens used in payment of dividends to policy holders.	17,693 73	
(Total paid policy holders.)	\$ 4,807,593 31	
Cash paid for commissions to agents.	329,682 92	
Cash paid for salaries and traveling expenses of agents and managers of agencies.	45,000 00	
Cash paid for medical examiner's fees.	39,214 23	
Cash paid for salaries and other compensation of officers and office employees.	180,167 34	
Cash paid for state and local taxes and fees.	91,599 74	
Cash paid for advertising.	51,967 92	
Cash paid for the following items, viz: office, law and agency expenses.	198,436 57	
Reduction of premiums on U. S. bonds and other stock, profit and loss.	97,203 98	
Total disbursements.	\$ 5,840,866 01	
Balance.	\$ 35,380,557 84	

III. ASSETS.

As per Ledger Accounts.

Cost value of real estate exclusive of all incumbrances.	\$ 4,832,270 42	
Loans on bonds and mortgage on real estate.	14,364,158 43	
Premium notes, loans, or liens on policies in force, the reserve on each policy being in excess of all indebtedness thereon.	621,984 93	
Cost value of bonds and stocks owned.	14,791,267 72	
Cash in company's office and in bank.	932,839 43	
Agent's ledger balances.	88,036 91	
Total net or ledger assets.	\$ 35,630,557 84	
Deduct depreciation from cost of assets.	250,000 00	
Total net or ledger assets, less depreciation.	\$ 35,380,557 84	

Other Assets.

Interest due and accrued on bonds and mortgages.	\$ 198,527 79	
Interest due and accrued on bonds and stocks.	81,898 41	
Interest due and accrued on premium notes, loans or liens.	16,814 73	
Rents due and accrued on company's property or lease.	8,985 00	
Market value of bonds and stocks over cost.	623,837 62	
Net amount of uncollected and deferred premiums.	421,339 06	
Total assets as per the book of the company.	\$ 36,731,960 46	

Items not Admitted.

Agent's balances.....	\$	88,036	91
Total.....	\$	88,036	91
Total assets (less items not admitted).....	\$	36,643,923	55

IV. LIABILITIES.

Net reinsurance reserve.....	\$	29,229,280	60
Claims for matured endowments due and unpaid.....	\$	601	07
Claims for death losses, and matured endowments in process of adjustment, or adjusted and not due.....		529,880	07
Policy claims resisted by the company.....		50,600	00
Total policy claims.....	\$	600,081	14
Amount of any other liability of the company, viz: premiums paid in advance.....		14,987	18
Liabilities on policy holders' account.....	\$	29,844,354	22
Gross surplus on policy holders' account.....		6,799,569	23
Total liabilities.....	\$	36,643,923	55

V. PREMIUM NOTE ACCOUNT.

Premium notes, loans, or liens on hand December 31st of previous year.....	\$	695,234	74
Premium notes, loans or liens received during the year.....		15,565	57
Total.....	\$	710,800	31
Deductions during the year as follows:			
Amount of notes, loans, or liens used in payment of losses and claims.....	\$	21,046	93
Amount of notes, loans, or liens used in purchase of surrend. red policies, and voided by lapse...		37,844	13
Amount of notes, loans, or liens used in payment of dividends to policy holders....		17,693	73
Amount of notes, loans, or liens redeemed by maker in cash.....		12,230	59
Total reduction of premium note account.....	\$	88,815	33
Balance, note assets at end of the year.....	\$	621,984	93

BUSINESS IN MINNESOTA DURING 1878.

Number and amount of policies on the lives of citizens of Minnesota in force December 31st of previous year.....	No. 332	\$	714,265	00
Number and amount of policies on the lives of citizens of Minnesota issued during the year...	No. 48		86,660	00
Deduct number and amount which have ceased to be in force during the year.....	No. 46		82,160	00
Total number and amount of policies in force in Minnesota, December 31, 1878.....	No. 334		718,765	00

Amount of losses and claims on policies in Minnesota unpaid December 31 of previous year...	No. 5	14,124 08
Amount of losses and claims on policies in Minnesota incurred during the year.....	No. 7	16,673 16
Amount of losses and claims on policies in Minnesota paid during the year.....	No. 8	20,142 24
Amount of premiums collected or secured in Minnesota during the year, in cash and other obligations.....		14,297 63

NORTHWESTERN MUTUAL LIFE INSURANCE COMPANY.

WISCONSIN.

Principal Office, Milwaukee.

(Organized and commenced business, 1858.)

H. L. PALMER, President.

WILLARD MORRILL, Secretary.

Attorney to accept service in Minnesota, MYRON BROWN, St. Paul.

Amount of net or ledger assets December 31st of previous year..\$ 17,516,753 33

I. INCOME, 1878.

Cash received for premiums without deductions..\$	1,808,100 11
Premium notes, loans, or liens taken in part payment for premiums.....	375,600 13
Premiums paid by dividends, reconverted additions and by surrendered policies.....	300,877 75
Total premium income.....\$	1,984,578 09
Cash received for interest upon mortgage loans.....	1,016,708 11
Cash received for interest and dividends on bonds and stocks....	33,788 90
Cash received for interest on premium notes, loans, or liens....	239,231 16
Cash received for interest on other debts due the company.....	34,159 44
Cash received as discount on claims paid in advance.....	2,159 31
Cash received for rents for use of company's property.....	6,819 89
Total income.....\$	3,317,444 90
Total.....	\$ 20,834,198 23

II. DISBURSEMENTS, 1878.

Cash paid for losses and additions.....	\$ 661,672 48
Premium notes, loans, or liens used in payment of the same.....	41,844 61
Cash paid for matured endowments and additions.....	661,113 82
Premium notes, loans, and liens used in payment of the same.....	196,403 97
Total paid for losses and matured endowments.....	\$ 1,566,034 88
Cash paid for surrendered policies.....	294,026 93
Premium notes, loans, or liens used in purchase of surrendered policies.....	245,010 44
Cash surrender values, including reconverted additions applied in payment of premiums.....	64,158 36
Cash dividends paid to policy holders.....	383,401 05
Premium notes, or liens used in payment of dividends to policy holders.....	536,160 94
(Total paid policy holders.....)	\$ 3,088,792 60)
Cash paid for commissions to agents.....	123,391 64
Cash paid for salaries and traveling expenses of agents and man- agers of agencies.....	54,430 77
Cash paid for medical examiner's fees	8,313 08
Cash paid for salaries and other compensation of officers and office employees.....	107,245 31
Cash paid for state and local taxes and fees.....	12,306 07
Cash paid for rent, less \$55.00 received under sub-lease.....	8,424 76
Cash paid for commuting commissions.....	26,199 88
Cash paid for furniture, fixtures and safe.....	458 98
Cash paid for advertising.....	5,883 48
Cash paid for the following items, viz : all incidental expenses..	93,583 79
Total disbursements.....	\$ 3,528,932 36
Balance.....	\$ 17,305,265 87

III. ASSETS.

As per Ledger Accounts.

Cost value of real estate exclusive of all incumbrances.....	\$ 1,387,572 73
Loans on bonds and mortgage on real estate.....	11,496,676 57
Premium notes, loans, or liens on policies in force, the reserve on each policy being in excess of all indebtedness thereon.....	2,602,923 25
Cost value of bonds and stocks owned.....	1,170,041 15
Cash in company's office.....	52,565 59
Cash deposited in banks.....	530,644 52
Bills receivable.....	11,175 86
Agent's ledger balances.....	46,166 20
Total net or ledger assets.....	\$ 17,297,765 87
Deduct depreciation from cost of assets.....	156,204 72

Total net or ledger assets, less depreciation.... \$ 17,141,561 15

Other Assets.

Interest due and accrued on bonds and mortgages.....	\$ 502,017 08
Interest due and accrued on bonds and stocks.....	29,107 86
Interest due and accrued on premium notes, loans, or liens.....	99,852 50
Rents due and accrued on company's property or lease.....	125 08
Market value of bonds and stocks over cost.....	498 85
Net amount of uncollected and deferred premiums.....	194,216 63
Furniture, fixtures and safes.....	7,500 00

Total assets as per the book of the company..... \$ 17,974,879 20

Items not Admitted.

Furniture, fixtures and safes.....	\$	7,500	00
Agent's balances.....		46,166	20
Bills receivable.....		11,175	86
Total.....	\$		64,842 06
Total assets (less items not admitted).	\$		17,910,037 14

IV. LIABILITIES.

Net reinsurance reserve.....	\$	13,667,606	00
Claims for death losses and matured endowments in process of adjustment, or adjusted and not due.....	\$	260,675	26
Policy claims resisted by the company....		47,600	00
Total policy claims.....	\$	308,275	26
Amount of all unpaid dividends or other profits due policy hold- ers.....		7,000	00
Amount of any other liability of the company, viz: premiums paid in advance, extra reserve, &c.....		28,948	63
Liabilities on policy holders' account.....	\$	14,011,829	89
Gross surplus on policy holders' account.....		3,898,207	25
Total liabilities.....	\$	17,910,037	14

V. PREMIUM NOTE ACCOUNT.

Premium notes, loans, or liens on hand December 31st of previous year.....	\$	3,262,958	39
Premium notes, loans, or liens received during the year.....		385,516	72
Total.....	\$	3,648,475	11
Deductions during the year as follows :			
Amount of notes, loans, or liens used in payment of losses and claims.....	\$	238,248	58
Amount of notes, loans, or liens used in purchase of surrendered policies, and voided by lapse....		245,010	44
Amount of notes, loans, or liens used in payment of dividends to policy holders.....		536,160	94
Amount of notes, loans, or liens redeemed by maker in cash.....		26,131	90
Total reduction of premium note account.....	\$	1,045,551	86
Balance, note assets at end of the year.....	\$	2,602,923	25

BUSINESS IN MINNESOTA DURING 1878.

Number and amount of policies on the lives of citizens of Minnesota, in force December 31st of previous year.....	No. 3019	\$	4,290,008 00
Number and amount of policies on the lives of citizens of Minnesota issued during the year...	No. 238		270,731 00
Deduct number and amount which have ceased to be in force during the year.....	No. 379		597,106 00

Total number and amount of policies in force in Minnesota, Dec. 31, 1878	No. 2878	3,963,633 00
Amount of losses and claims on policies in Minnesota unpaid December 31 of previous year.....	No. 11	13,209 64
Amount of losses and claims on policies in Minnesota incurred during the year.....	No. 37	49,404 51
Total.....	No. 48	62,614 15
Amount of losses and claims on policies in Minnesota paid during the year.....	No. 38	53,055 51
Amount of premiums collected or secured in Minnesota during the year, in cash and other obligations.....		91,698 58

PACIFIC MUTUAL LIFE INSURANCE COMPANY.

CALIFORNIA.

Principal Office, Sacramento.

(Organized and commenced business, April, 1868.)

JOHN H. CARROLL, President.

JEROME C. CARROLL, Secretary.

Attorney to accept service in Minnesota, C. LIVINGSTON, St. Paul.

Paid up capital stock.....	\$ 100,000 00
Amount of net or ledger assets December 31st of previous year..	1,240,204 07

I. INCOME, 1878.

Cash received for premiums without deductions..	\$ 258,593 92
Premium notes, loans, or liens taken in part payment for premiums.....	15,059 24
Premiums paid by dividends, reconverted additions and by surrendered policies.....	30,241 64
Total.....	\$ 303,894 80
Deduct for reinsurance in other companies.....	875 34

Total premium income.....	\$ 303,019 46
Cash received for interest upon mortgage loans.....	64,295 27
Cash received for interest and dividends on bonds and stocks....	460 25
Cash received for interest on premium notes, loans, or liens....	5,462 25

Cash received for interest on other debts due the company.....	2,963 39
Cash received as discount on claims paid in advance.....	2,591 31
Cash received for rents for use of company's property.....	120 00
Cash received for profits on bonds, stocks or gold actually sold and policy fees.....	336 84
Difference in exchange currency to par.....	10,691 71
Total income.....	\$ 389,940 48
Total	\$ 1,630,144 55

II. DISBURSEMENTS, 1878.

Cash paid for losses and additions.....	\$ 120,698 48
Premium notes, loans, or liens used in payment of the same.....	4,219 68
Endowments paid in advance of being due	94,560 07
Premium notes, loans, and liens used in payment of same.....	16,566 21
Total paid for losses and matured endowments.....	\$ 236,044 44
Cash paid for surrendered policies.....	47,756 43
Premium notes, loans, or liens used in purchase of surrendered policies.....	14,647 71
Cash surrender values, including reconverted additions applied in payment of premiums.....	24,597 17
Cash dividends paid to policy holders.....	6,004 32
Premium notes or liens used in payment of dividends to policy holders.....	3,168 55
(Total paid policy holders).....	\$ 332,218 62)
Cash paid for commissions to agents.....	54,594 69
Cash paid for salaries and traveling expenses of agents and man- agers of agencies.....	10,358 39
Cash paid for medical examiner's fees.....	3,032 00
Cash paid for salaries and other compensation of officers and office employees.....	20,787 75
Cash paid for state and local taxes and fees.....	1,270 18
Cash paid for rent.....	3,028 80
Cash paid for advertising.....	3,218 17
Cash paid for the following items, viz: printing, postage, profit and loss, &c.....	15,957 30
Total disbursements.....	\$ 444,465 90
Balance.....	\$ 1,185,678 65

III. ASSETS.

As per Ledger Accounts.

Cost value of real estate exclusive of all incumbrances.....	\$ 79,978 91
Loans on bonds and mortgage on real estate.....	649,593 62
Loans secured by pledge on marketable collaterals.....	29,987 52
Loans made to policy holders on this company's policies.....	14,702 44
Premium notes, loans, or liens on policies in force, the reserve on each policy being in excess of all indebtedness thereon.....	81,345 46
Cost value of bonds and stocks owned.....	6,240 00
Cash in company's office and in bank.....	46,174 55
Bills receivable.....	8,879 21
Agent's ledger balances.....	24,395 59
Guarantee fund.....	225,000 00
Furniture, personal accounts and second lien.....	19,380 35
Total net or ledger assets, less depreciation.....	\$ 1,185,678 65

Other Assets.

Interest due and accrued on bonds and mortgages, stocks and premium notes.....	\$	46,309 82
Market value of real estate over cost.....		4,631 58
Net amount of uncollected and deferred premiums.....		50,893 45
Agency and office supplies.....		3,000 00
Total assets as per the book of the company.....	\$	1,290,513 50

Items not Admitted.

Furniture, fixtures and safes.....	\$	9,930 30
Real estate loan (second lien).....		500 00
Agent's balances.....	24,395 59	
Loans on personal security....	8,950 05	
Bills receivable.....	8,879 21	
Supplies, printed matter and stationery.....	3,000 00	
Total.....	\$	55,655 15
Total assets (less items not admitted).....	\$	1,234,858 35

IV. LIABILITIES.

Net reinsurance reserve.....	\$	931,810 98
Claims for death losses and matured endowments in process of adjustment, or adjusted and not due	9,358 00	
Total policy claims.....	\$	9,358 00
Liabilities on policy holders' account....	\$	941,168 98
Gross surplus on policy holders' account.....		293,689 37
Total liabilities.....	\$	1,234,858 35

V. PREMIUM NOTE ACCOUNT.

Premium notes, loans, or liens on hand December 31st of previous year.....	\$	94,436 29
Premium notes, loans, or liens received during the year.....		15,059 24
Total.....	\$	109,495 53
Deductions during the year as follows :		
Amount of notes, loans, or liens used in payment of losses and claims.....	\$	4,219 68
Amount of notes, loans, or liens used in purchase of surrendered policies, and voided by lapse..		7,564 62
Amount of notes, loans, or liens used in payment of dividends to policy holders, matured endowments and new policies.....		17,706 96
Total reduction of premium note account.....	\$	29,491 26
Balance, note assets at end of the year.....	\$	81,345 46

BUSINESS IN MINNESOTA DURING 1878.

Number and amount of policies on the lives of citizens of Minnesota in force December 31st of previous year.....	No. 72	\$ 132,575 00
Number and amount of policies on the lives of citizens of Minnesota issued during the year...	No. 42	82,327 00
Deduct number and amount which have ceased to be in force during the year.....	No. 36	62,780 00
Total number and amount of policies in force in Minnesota Dec.31, 1878.....	No. 78	152,122 00
Amount of losses and claims on policies in Minnesota incurred during the year.....	No. 1	2,500 00
Amount of losses and claims on policies in Minnesota paid during the year.....	No. 1	2,500 00
Amount of premiums collected or secured in Minnesota during the year, in cash and other obligations.....		3,685 68

PHENIX MUTUAL LIFE INSURANCE COMPANY.

CONNECTICUT.

Principal Office, Hartford.

(Organized and commenced business, 1851.)

A. C. GOODMAN, President.

J. M. HOLCOMBE, Secretary.

Attorney to accept service in Minnesota, JOSIAH THOMPSON, Minneapolis.

Paid up capital stock.....	\$ 100,000 00
Amount of net or ledger assets December 31st of previous year..	10,689,194 96

I. INCOME, 1878.

Cash received for premiums without deductions..	\$ 1,159,420 73
Premium notes, loans, or liens taken in part payment for premiums.....	153,487 42
Deduct for reinsurance in other companies.....	\$ 3,350 57
Total premium income.....	\$ 1,309,557 58
Cash received for interest upon mortgage loans.	467,184 83
Cash received for interest and dividends on bonds and stocks.....	37,877 32

Cash received for interest on premium notes, loans, or liens.....	149,362 88
Cash received for interest on other debts due the company.....	3,916 25
Cash received for use of company's property.....	9,982 62
Cash received for profits on bonds, stocks, or gold actually sold..	59 89
Total income.....	<u>\$ 1,977,941 37</u>
Total.....	<u>\$ 12,667,136 33</u>

II. DISBURSEMENTS, 1878.

Cash paid for losses and additions.....	\$ 683,337 36
Premium notes, loans, or liens used in payment of the same.....	62,218 41
Cash paid for matured endowments and additions.	68,840 52
Premium notes, loans, and liens used in payment of same.....	<u>21,796 48</u>
Total paid for losses and matured endowments.....	\$ 836,192 77
Cash paid for surrendered policies.....	228,097 52
Premium notes, loans, or liens used in purchase of surrendered policies.....	305,248 68
Cash surrender values applied in payment of premiums.....	102,198 79
Cash dividends paid to policy holders.....	204,824 35
Premium notes, or liens used in payment of dividends to policy holders.....	38,017 48
(Total paid policy holders.....)	\$ 1,714,579 59)
Cash paid stockholders for interest or dividends.....	6,000 00
Cash paid for commissions to agents.....	77,069 04
Cash paid for salaries and traveling expenses of agents and managers of agencies.....	57,584 34
Cash paid for medical examiner's fees.....	5,320 84
Cash paid for salaries and other compensation of officers and office employees.....	45,980 00
Cash paid for state and local taxes and fees.....	62,615 02
Cash paid for rent, less \$467.38 received under sub-lease.....	16,745 36
Cash paid for furniture, fixtures and safes.....	395 30
Cash paid for advertising.....	4,535 60
Cash paid for the following items, viz: blank books, stationery, postage, exchange, profit and loss, legal expenses, &c.....	<u>142,198 64</u>
Total disbursements.....	<u>\$ 2,133,023 73</u>
Balance.....	<u>\$ 10,534,112 60</u>

III. ASSETS.

As per Ledger Accounts.

Cost value of real estate exclusive of all incumbrances.....	\$ 654,968 35
Loans on bonds and mortgage on real estate.....	6,560,173 92
Loans secured by pledge on marketable collaterals.....	36,835 61
Premium notes, loans, or liens on policies in force, the reserve on each policy being in excess of all indebtedness thereon.....	2,366,120 83
Cost value of bonds and stocks owned.....	622,425 00
Cash in company's office and in bank.....	249,297 84
Bills receivable.....	30,929 08
Agent's ledger balances.....	<u>13,361 97</u>
Total net or ledger assets.....	<u>\$ 10,534,112 60</u>
Deduct depreciation from cost of assets.....	600 75
Total net or ledger assets, less depreciation.....	<u>\$ 10,533,511 85</u>

Other Assets.

Interest due and accrued on bonds and mortgages.....	\$ 253,295 39
Interest due and accrued on bonds and stocks.....	4,772 77
Net amount of uncollected and deferred premiums.....	47,049 00

Total assets as per the book of the company.....\$ 10,888,629 01

Items not Admitted.

Agent's balances.....	\$ 13,361 97
Bills receivable.....	30,929 08

Total.....\$ 44,291 05

Total assets (less items not admitted).....\$ 10,794,337 96

IV. LIABILITIES.

Net reinsurance reserve.....	\$ 9,420,575 00
Claims for death losses due and unpaid.....	\$ 24,781 50
Claims for matured endowments due and unpaid.....	2,500 00
Claims for death losses and matured endowments in process of adjustment, or adjusted and not due.....	149,366 00
Policy claims resisted by the company.....	28,726 29

Total policy claims.....	\$ 205,373 79
Amount of any other liability of the company, viz: premiums paid in advance.....	62,151 96
Contingent reserve and special reserve.....	138,796 00

Liabilities on policy holders' account.....	\$ 9,826,896 75
Gross surplus and policy holders' account.....	967,441 21

Total liabilities.....\$ 10,794,337 96

V. PREMIUM NOTE ACCOUNT.

Premium notes, loans, or liens on hand December 31st of previous year.....	\$ 2,646,819 13
Premium notes, loans, or liens received during the year.....	153,487 42

Total.....	\$ 2,800,306 55
Deductions during the year as follows:	
Amount of notes, loans, or liens used in payment of losses and claims.....	\$ 84,014 89
Amount of notes, loans, or liens used in purchase of surrendered policies, and voided by lapse...	305,248 63
Amount of notes, loans, or liens used in payment of dividends to policy holders.....	38,017 43
Amount of notes, loans, or liens redeemed by maker in cash.....	6,904 67

Total reduction of premium note account.....\$ 434,185 72

Balance, note assets at end of the year.....\$ 2,366,120 83

BUSINESS IN MINNESOTA DURING 1878.

Number and amount of policies on the lives of citizens of Minnesota in force December 31st of previous year.....	No. 494	\$ 223,700 00
Number and amount of policies on the lives of citizens of Minnesota issued during the year...	No. 57	68,163 00
Deduct number and amount which have ceased to be in force during the year.....	No. 206	192,000 00
Total number and amount of policies in force in Minnesota, December 31, 1878.....	No. 345	99,863 00
Amount of losses and claims on policies in Minnesota unpaid December 31 of previous year...	No. 4	6,000 00
Amount of losses and claims on policies in Minnesota incurred during the year.....	No. 2	2,300 00
Amount of losses and claims on policies in Minnesota paid during the year.....	No. 4	5,500 00
Amount of premiums collected or secured in Minnesota during the year, in cash and other obligations.....		25,207 14

STATE MUTUAL LIFE INSURANCE COMPANY.

MASSACHUSETTS.

Principal Office, Worcester.

(Organized and commenced business, June, 1845.)

ISAAC DAVIS, President.

CLARENDON HARRIS, Secretary.

Attorney to accept service in Minnesota, A. R. MCGILL, St. Paul.

Amount of net or ledger assets extended at.....\$ 2,162,121 99

I. INCOME, 1878.

Cash received for premiums without deductions..\$ 271,089 98

Total premium income.....	\$ 271,089 98
Cash received for interest upon mortgage loans, bonds and stocks.	115,478 18
Cash received for interest on premium notes, loans, or liens.....	1,962 77

Total income.....	\$ 388,530 93
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Total.....	\$ 2,550,652 92
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II. DISBURSEMENTS, 1878.

Cash paid for losses and additions.....	\$ 128,745 42	
Cash paid for matured endowments and additions.....	6,820 00	
Total paid for losses and matured endowments.....	\$ 135,565 42	
Cash paid for surrendered policies.....	13,473 72	
Cash dividends paid to policy holders.....	78,091 67	
(Total paid policy holders.....)	\$ 227,130 81	
Cash paid for commissions to agents.....	17,787 38	
Cash paid for salaries and traveling expenses of agents and managers of agencies.....	1,870 16	
Cash paid for medical examiner's fees.....	1,175 00	
Cash paid for salaries and other compensation of officers and office employees.....	18,796 98	
Cash paid for state and local taxes and fees.....	1,095 89	
Cash paid for rent.....	2,000 00	
Total disbursements.....	\$ 269,856 22	
Balance.....	\$ 2,280,796 70	

III. ASSETS.

As per Ledger Accounts.

Cost value of real estate exclusive of all incumbrances.....	\$ 50,000 00	
Loans on bonds and mortgage on real estate.....	137,380 00	
Loans secured by pledge on marketable collaterals.....	85,000 00	
Premium notes, loans, or liens on policies in force, the reserve on each policy being in excess of all indebtedness thereon.....	18,364 05	
Cost value of bonds and stocks owned.....	1,873,695 45	
Cash deposited in banks.....	115,957 20	
Total net or ledger assets, less depreciation.....	\$ 2,280,396 70	

Other Assets.

Interest due, and accrued, on bonds and mortgages, stocks and loans.....	\$ 12,000 00	
Market value of bonds and stocks, over cost.....	56,447 55	
Total assets as per the book of the company.....	\$ 2,348,844 25	

IV. LIABILITIES.

Net reinsurance reserve.....	\$ 1,930,477 00	
Claims for death losses and matured endowments in process of adjustment, or adjusted and not due.....	29,000 00	
Total policy claims.....	\$ 29,000 00	
Amount of all unpaid dividends or other profits due policy holders.....	4,018 90	
Liabilities on policy holders' account.....	\$ 1,963,495 90	
Gross surplus on policy holders' account.....	385,345 35	
Total liabilities.....	\$ 2,348,844 25	

V. PREMIUM NOTE ACCOUNT.

Premium notes, loans, or liens on hand December 31st of previous year.....	\$	20,914 52	
Premium notes, loans, or liens received during the year.....		40,522 92	
Total.....	\$		61,437 44
Deductions during the year as follows :			
Amount of notes, loans, or liens used in purchase of surrendered policies, and voided by lapse....		2,996 58	
Amount of notes, loans, or liens redeemed by maker in cash.....		40,076 81	
Total reduction of premium note account.....	\$		43,073 39
Balance, note assets at end of the year.....	\$		18,364 05

BUSINESS IN MINNESOTA DURING 1878.

Number and amount of policies on the lives of citizens of Minnesota issued during the year...	No.	4	\$	9,000 00
Amount of premiums collected or secured in Minnesota during the year, in cash and other obligations.....				375 15

TRAVELERS LIFE AND ACCIDENT INSURANCE COMPANY.

CONNECTICUT.

Principal Office, Hartford.

(Organized and commenced business, 1866.)

J. G. BATTERSON, President.

RODNEY DENNIS, Secretary.

Attorney to accept service in Minnesota, S. S. EATON, St. Paul.

Paid up capital stock.....	\$	600,000 00
Amount of net or ledger assets December 31st of previous year..		4,205,976 17

I. INCOME, 1878.

Cash received for premiums without deductions..	\$ 1,228,355 66
Deduct for reinsurance in other companies.....	1,896 57
Total premium income.....	\$ 1,226,459 09
Cash received for interest upon mortgage loans.....	157,730 60
Cash received for interest and dividends on bonds and stocks....	82,432 55
Cash received for interest on other debts due the company.....	4,416 16
Cash received as discount on claims paid in advance.....	1,113 04
Cash received for rents for use of company's property.....	4,482 94
Cash received for profits on bonds, stocks, or gold actually sold..	36,450 75
Total income.....	\$ 1,513,085 13
Total.....	\$ 5,719,061 30

II. DISBURSEMENTS, 1878.

Cash paid for losses and additions.....	\$ 461,745 56
Cash paid for matured endowments and additions.....	14,000 00
Total.....	\$ 475,745 56
Deduct reinsurance received from other companies.....	5,000 00
Total paid for losses and matured endowments.....	\$ 470,745 56
Cash paid to annuitants.....	1,150 00
Cash paid for surrendered policies.....	43,410 10
(Total paid policy holders.....	\$ 515,305 66)
Cash paid stockholders for interest or dividends.....	72,000 00
Cash paid for commissions to agents.....	209,046 25
Cash paid for salaries and traveling expenses of agents and managers of agencies.....	109,491 69
Cash paid for medical examiner's fees.....	7,092 46
Cash paid for salaries and other compensation of officers and office employees.....	63,910 08
Cash paid for state and local taxes and fees.....	15,775 07
Cash paid for rent, less \$6,301 received under the sub-lease.....	12,277 53
Cash paid for furniture, fixtures and safes.....	703 44
Cash paid for advertising.....	41,923 79
Cash paid for the following items, viz: stationery, postage, express, exchange, &c.....	55,703 27
Total disbursements.....	\$ 1,103,229 24
Balance.....	\$ 4,615,832 06

III. ASSETS.

As per Ledger Accounts.

Cost value of real estate exclusive of all incumbrances.....	\$ 636,729 83
Loans on bonds and mortgage on real estate.....	2,256,193 13
Loans secured by pledge on marketable collaterals.....	22,100 00
Cost value of bonds and stocks owned.....	1,567,728 51
Cash in company's office.....	10,572 40
Cash deposited in banks.....	117,332 29
Bills receivable.....	924 97
Agent's ledger balances.....	4,250 93
Total net or ledger assets.....	\$ 4,615,832 06
Deduct depreciation from cost of assets.....	165,413 47
Total net or ledger assets, less depreciation.....	\$ 4,450,418 59

Other Assets.

Interest accrued on bonds and mortgages.....	\$	57,766	39
Gross premiums due and unreported on policies in force December 31, 1878.....	\$	46,313	77
Gross deferred premiums on policies in force Dec. 31, 1878.....		58,264	22
Total.....	\$	104,577	99
Deduct the loading on the above gross amount....		12,549	35
Net amount of uncollected and deferred premiums.....	\$	92,028	64
Total assets as per the book of the company.....	\$	4,600,213	62

Items not Admitted.

Agent's balances.....	\$	4,250	93
Bills receivable.....		924	97
Total.....	\$	5,175	90
Total assets (less items not admitted).....	\$	4,595,037	72

IV. LIABILITIES.

Net reinsurance reserve.....	\$	2,680,905	00
Claims for death losses and matured endowments in process of adjustment, or adjusted and not due.....	\$	118,500	00
Policy claims resisted by the company.....		21,000	00
Total policy claims.....	\$	139,500	00
Amount due on account of salaries, rents and office expenses....		5,000	00
Liabilities on policy holders' account.....	\$	2,825,405	00
Gross surplus on policy holders' account.....		1,769,632	72
Total liabilities.....	\$	4,595,037	72

BUSINESS IN MINNESOTA DURING 1878.

Number and amount of policies on the lives of citizens of Minnesota in force December 31st of previous year.....	{ No. 214*	\$	737,375	00
	{ No. 116	\$	165,038	00
Number and amount of policies on the lives of citizens of Minnesota issued during the year...	{ No. 470		1,045,500	00
	{ No. 9		7,515	00
Total.....	{ No. 684		1,782,875	00
	{ No. 125		172,553	00
Deduct number and amount which have ceased to be in force during the year.....	{ No. 261		841,925	00
	{ No. 13		20,100	00
Total number and amount of policies in force in Minnesota, Dec. 31, 1878.....	{ No. 423		940,950	00
	{ No. 112		152,453	00
Amount of losses and claims on policies in Minnesota unpaid Dec. 31st of previous year.....	No. 1		3,000	00

Amount of losses and claims on policies in Min- nesota incurred during the year.....	{ No. 45	3,124 61
	{ No. 2	1,600 00
Amount of losses and claims on policies in Min- nesota paid during the year.....	{ No. 45	3,124 61
	{ No. 2	1,600 00
Amount of premiums collected or secured in Min- nesota during the year, in cash and other obli- gations.....	{ ———	9,384 06
	{ ———	2,055 60

*Accident business.

UNITED STATES LIFE INSURANCE COMPANY.

NEW YORK.

Principal Office, New York City.

(Organized and commenced business, 1850.)

JAMES BUELL, President.

C. P. FRALEIGH, Secretary.

Attorney to accept service in Minnesota, L. P. VAN NORMAN, Minneapolis.

Paid up capital stock.....	\$ 250,000 00
Amount of net or ledger assets Dec. 31st of previous year.....	4,568,745 95

I. INCOME, 1878.

Cash received for premiums without deductions..	\$ 712,063 87	
Total.....	\$ 712,063 87	
Deduct for reinsurance in other companies.....	5,926 46	
Total premium income.....	\$ 706,137 38	
Cash received for interest upon mortgage loans.....	}	272,526 07
Cash received for interest and dividends on bonds and stocks ..		
Cash received for interest on premium notes, loans, or liens....		
Cash received for interest on other debts due the company.....		
Cash received as discount on claims paid in advance.....		
Total income.....	\$ 978,663 45	
Total.....	\$ 5,547,409 40	

II. DISBURSEMENTS, 1878.

Cash paid for losses and additions.....	\$ 262,055 34	
Cash paid for matured endowments and additions.....	86,196 21	
Total.....	\$ 348,251 55	
Deduct reinsurance received from other companies.....	5,000 00	
Total paid for losses and matured endowments.....	\$ 343,251 55	
Cash paid for surrendered policies.....	231,225 82	
Cash paid for additions to policies.....	55,587 25	
Cash dividends paid to policy holders.....	39,960 01	
(Total paid policy holders.....)	\$ 670,024 63)	
Cash paid stockholders for interest.....	28,226 30	
Cash paid for commissions to agents.....	75,361 95	
Cash paid for salaries and traveling expenses of agents and managers of agencies.....	10,176 61	
Cash paid for medical examiner's fees.....	10,272 56	
Cash paid for salaries and other compensation of officers and office employees.....	43,478 59	
Cash paid for state and local taxes and fees.....	4,164 77	
Cash paid for rent.....	9,433 39	
Cash paid for advertising.....	11,119 46	
Cash paid for the following items, viz: miscellaneous.....	52,812 39	
Total disbursements.....	\$ 915,070 65	
Balance.....	\$ 4,627,171 25	

III. ASSETS.

As per Ledger Accounts.

Cost value of real estate exclusive of all incumbrances.....	\$ 163,227 51	
Loans on bonds and mortgage on real estate.....	2,120,100 55	
Loans secured by pledge on marketable collaterals.....	45,465 94	
Premium notes, loans, or liens on policies in force.....	126,638 91	
Cost value of bonds and stocks owned.....	1,986,885 31	
Cash in company's office and in banks.....	160,695 47	
Bills receivable.....	5,816 43	
Agent's ledger balances.....	18,341 13	
Total net or ledger assets.....	\$ 4,627,171 25	
Deduct depreciation from cost of assets.....	24,227 51	
Total net or ledger assets, less depreciation.....	\$ 4,602,943 74	

Other Assets.

Interest due and accrued on bonds and mortgages.....	\$ 70,937 08	
Interest due and accrued on bonds and stocks.....		
Interest due and accrued on collateral loans.....		
Interest due and accrued on premium notes, loans or liens.....		
Rents due and accrued on company's property or lease.....		
Market value of bonds and stocks over cost.....	89,166 19	
Net amount of uncollected and deferred premiums.....	111,900 00	
Total assets as per the book of the company.....	\$ 4,874,947 01	

Items not Admitted.

Agent's balances.....	\$	18,341	13
Bills receivable.....		5,816	43
Total.....	\$	24,157	56
Total assets (less items not admitted).....	\$	4,850,789	45

IV. LIABILITIES.

Net reinsurance reserve.....	\$	3,959,511	00
Total policy claims.....		73,960	00
Amount of any other liability of the company, viz: miscellaneous.....		14,000	00
Liabilities on policy holders' account.....	\$	4,047,471	00
Gross surplus on policy holders' account.....		803,318	45
Total liabilities.....	\$	4,850,789	45

V. PREMIUM NOTE ACCOUNT.

Premium notes, loans or liens on hand Dec. 31st, of previous year.....	\$	136,354	84
Premium notes, loans or liens received during the year.....		23,036	37
Total.....	\$	159,391	21
Total reduction of premium note account....		32,752	30
Balance note assets at end of the year.....	\$	126,638	91

BUSINESS IN MINNESOTA DURING 1878.

Number and amount of policies on the lives of citizens of Minnesota in force Dec. 31st, of previous year.....	No. 61	\$	111,340	00
Number and amount of policies on the lives of citizens of Minnesota issued during the year...	No. 34		61,325	00
Deduct number and amount which have ceased to be in force during the year.....	No. 39		71,900	00
Total number and amount of policies in force in Minnesota, Dec. 31, 1878.....	No. 56		100,765	00
Amount of losses and claims on policies in Minnesota incurred during the year.....	No. 1		1,000	00
Amount of losses and claims on policies in Minnesota paid during the year.....	No. 1		1,000	00
Amount of premiums collected, or secured in Minnesota during the year, in cash and other obligations.....			1,600	43

UNION MUTUAL LIFE INSURANCE COMPANY OF MAINE.

Principal Office, Boston, Mass.

(Organized and commenced business 1849.)

JOHN E. DEWITT, President.

J. C. CARPENTER, Secretary.

Amount of net or ledger assets December 31st of previous year..\$ 7,472,052 21

I. INCOME, 1878.

Cash received for premiums without deductions..\$	1,128,369 46
Premium notes, loans, or liens taken in part payment for premiums.....	177,421 00
Total.....	\$ 1,305,790 46
Deduct for reinsurance in other companies.....	504 87
Total premium income.....	\$ 1,305,285 59
Cash received for interest upon mortgage loans.....	148,175 50
Cash received for interest and dividends on bonds and stocks...	45,986 42
Cash received for interest on premium notes, loans or liens.....	103,600 64
Cash received for interest on other debts due the company.....	8,418 58
Cash received as discount on claims paid in advance.....	101,516 90
Cash received for rents for use of company's property.....	23,018 61
Total income.....	\$ 1,736,002 24
Total.....	\$ 9,208,054 45

II. DISBURSEMENTS, 1878.

Cash paid for losses and additions.....\$	427,085 82
Premium notes, loans or liens used in payment of the same.....	32,835 63
Cash paid for matured endowments and additions.	612,530 49
Premium notes, loans and liens used in payment of same.....	184,230 51
Total paid for losses and matured endowments.....	\$ 1,256,682 45
Cash paid to annuitants.....	20,500 00

Cash paid for surrendered policies.....	530,878 44
Premium notes, loans, or liens used in purchase of surrendered policies.....	102,554 66
Premium notes voided by lapse of policies.....	76,333 50
Cash dividends paid to policy holders.....	19,210 82
Premium notes, or liens used in payment of dividends to policy holders.....	2,639 00
Reduction of premium.....	14,135 20
(Total paid policy holders.....\$2,022,934 07)	
Cash paid for commissions to agents.....	142,293 74
Cash paid for medical examiner's fees.....	10,911 24
Cash paid for salaries and other compensation of officers and office employes.....	64,578 07
Cash paid for state and local taxes and fees.....	7,803 50
Cash paid for advertising.....	8,945 52
Cash paid for the following items, viz: printing, stationery, postage, exchange, &c.....	76,338 79
Total disbursements.....	\$ 2,333,804 93
Balance.....	\$ 6,874,249 52

III. ASSETS.

As per Ledger Accounts.

Cost value of real estate exclusive of all incumbrances..	\$ 1,934,806 70
Loans on bonds and mortgage on real estate.....	2,880,829 95
Loans secured by pledges on marketable collaterals.....	1,006 00
Loans made to policy holders on this company's policies.....	1,274 00
Premium notes, loans or liens on policies in force, the reserve on each policy being in excess of all indebtedness thereon.....	1,272,917 73
Value of bonds and stocks owned.....	694,533 87
Cash in company's office and in bank.....	53,950 60
Bills receivable.....	6,614 08
Agent's ledger balances.....	25,020 32
Cash in transit, since received.....	3,296 27
Total net or ledger assets.....	\$ 6,874,249 52
Deduct depreciation from cost of assets.....	137,278 11
Total net or ledger assets, less depreciation.....	\$ 6,736,971 41

Other Assets.

Interest due, and accrued, on bonds and mortgages.....	\$ 194,863 02
Interest due, and accrued, on bonds and stocks.....	5,008 16
Interest due, and accrued, on bills receivable.....	611 83
Interest due, and accrued, on premium notes, loans or liens.....	40,592 08
Rents due, and accrued, on company's property or lease.....	2,236 00
Net amount of uncollected and deferred premiums.....	98,438 28
Total assets as per the book of the company	\$ 7,078,720 78

Items not Admitted.

Agent's balances.....	\$ 25,020 32
Bills receivable, and interest on same.....	7,225 91
Total.....	\$ 32,246 23
Total assets, (less items not admitted).....	\$ 7,046,474 55

IV. LIABILITIES.

Net reinsurance reserve.....	\$ 6,209,533 00
Claims for death losses due and unpaid.....	\$ 16,811 00
Claims for matured endowments due and unpaid.....	\$ 5,000 00
Claims for death losses and matured endowments in process of adjustment, or adjusted and not due.....	126,491 24
Policy claims resisted by the company.	46,364 18
Premiums paid in advance.....	79,283 89
Total policy claims.....	\$ 273,950 31
Amount of all unpaid dividends or other profits due policy holders.....	7,226 98
Amount of state or other taxes.....	25,000 00
Amount of any other liability of the company, viz: contingent reserve, &c.....	14,513 22
Liabilities on policy holders' account.....	\$ 6,530,223 51
Gross surplus on policy holders' account.....	516,251 04
Total liabilities.....	\$ 7,046,474 55

V. PREMIUM NOTE ACCOUNT.

Premium notes, loans or liens on hand Dec. 31st of previous year.....	\$ 1,518,194 59
Premium notes, loans or liens received during the year.....	178,536 00
Total.....	\$ 1,696,730 59
Deductions during the year as follows :	
Amount of notes, loans, or liens used in payment of losses and claims.....	\$ 217,066 14
Amount of notes, loans, or liens used in purchase of surrendered policies, and voided by lapse...	178,888 16
Amount of notes, loans, or liens used in payment of dividends to policy holders.....	9,762 00
Amount of notes, loans, or liens redeemed by maker in cash.....	18,096 56
Total reduction of premium note account.....	\$ 423,812 86
Balance, note assets at end of the year	\$ 1,272,917 73

BUSINESS IN MINNESOTA DURING 1878.

Number and amount of policies on the lives of citizens of Minnesota in force December 31st of previous year...	No. 58	\$ 106,275 00
Number and amount of policies on the lives of citizens of Minnesota issued during the year...	No. 16	57,107 00
Deduct number and amount which have ceased to be in force during the year.....	No. 22	41,417 00
Total number and amount of policies in force in Minnesota December 31, 1878.....	No. 52	121,965 00
Amount of losses and claims on policies in Min- nesota incurred during the year.....	No. 2	3,000 00
Amount of losses and claims on policies in Minne- sota paid during the year.....	No. 2	3,000 00
Amount of premiums collected or secured in Min- nesota during the year, in cash and other obli- gations.....		4,059 64

WASHINGTON LIFE INSURANCE COMPANY.

NEW YORK.

Principal Office, New York City.

(Organized and commenced business February, 1860.)

CYRUS CURTISS, President.

WILLIAM HAXTUN, Secretary.

Attorney to accept service in Minnesota, J. A. SABIN, St. Paul.

Paid up capital stock.....	\$	125,000	00
Amount of net or ledger assets December 31st of previous year..		5,072,576	16

I. INCOME, 1878.

Cash received for premiums without deductions..	\$	940,469	54
Cash received for annuities.....		5,791	60
Total premium income.....	\$	955,261	14
Cash received for interest upon mortgage loans.....		135,397	94
Cash received for interest and dividends on bonds and stocks....		135,893	39
Cash received for interest on premium notes, loans, or liens.....		3,439	99
Cash received for interest on other debts due the company.....		2,991	49
Cash received as discount on claims paid in advance.....		12,149	48
Cash received for profits on bonds, stocks, or gold actually sold..		188	20
Total income.....	\$	1,245,321	63
Total.....	\$	6,317,897	79

II. DISBURSEMENTS, 1878.

Cash paid for losses and additions.....	\$	201,367	93
Cash paid for matured endowments and additions		171,399	90
Total paid for losses and matured endowment.....	\$	372,767	83
Cash paid to annuitants.....		1,708	32
Cash paid for surrendered policies.....		309,659	48
Cash dividends paid to policy holders.....		169,144	00
Premium notes, or liens used in payment of dividends to policy holders.....		169,144	00
(Total paid policy holders.....)	\$	853,279	63)

Cash paid stockholders for interest or dividends.....	8,653 75
Cash paid for commissions to agents.....	45,323 66
Cash paid for salaries and traveling expenses of agents and managers of agencies.....	8,469 92
Cash paid for medical examiner's fees.....	5,860 75
Cash paid for salaries and other compensation of officers and office employees.....	47,794 10
Cash paid for state and local taxes and fees.....	7,253 19
Cash paid for rent.....	7,125 00
Cash paid for commuting commissions.....	23,915 52
Cash paid for furniture, fixtures and safes.....	9,293 81
Cash paid for advertising.....	5,615 17
Cash paid for the following items, viz.: exchange, printing, postage, &c.....	42,025 98
Total disbursements.....	\$ 1,064,610 48
Balance.....	\$ 5,253,287 31

III. ASSETS.

As per Ledger Accounts.

Cost value of real estate exclusive of all incumbrances.....	\$ 414,436 23
Loans on bonds and mortgage on real estate.....	2,270,214 02
Premium notes, loans, or liens on policies in force, the reserve on each policy being in excess of all indebtedness thereon.....	15,187 48
Cost value of bonds and stocks owned.....	2,313,466 30
Cash in company's office.....	4,742 09
Cash deposited in banks.....	219,806 54
Agent's ledger balances.....	15,434 55
Total net or ledger assets, less depreciation.....	\$ 5,253,287 31

Other Assets.

Interest due, and accrued, on bonds and mortgages.....	\$ 33,904 56
Interest due, and accrued, on bonds and stocks.....	11,712 40
Interest due, and accrued, on collateral loans.....	1,672 80
Market value of bonds and stocks, over cost.....	93,758 70
Market value of bonds and stocks over cost.....	93,758 70
Gross premiums due and unreported on policies in force December 31, 1878.....	\$ 34,837 35
Gross deferred premiums on policies in force Dec. 31, 1878.....	110,297 67
Total.....	\$ 136,135 02
Deduct the loading on the above gross amount...	27,227 00
Net amount of uncollected and deferred premiums.....	\$ 108,908 02
Total assets as per the book of the company.....	\$ 5,503,243 79

Items not Admitted.

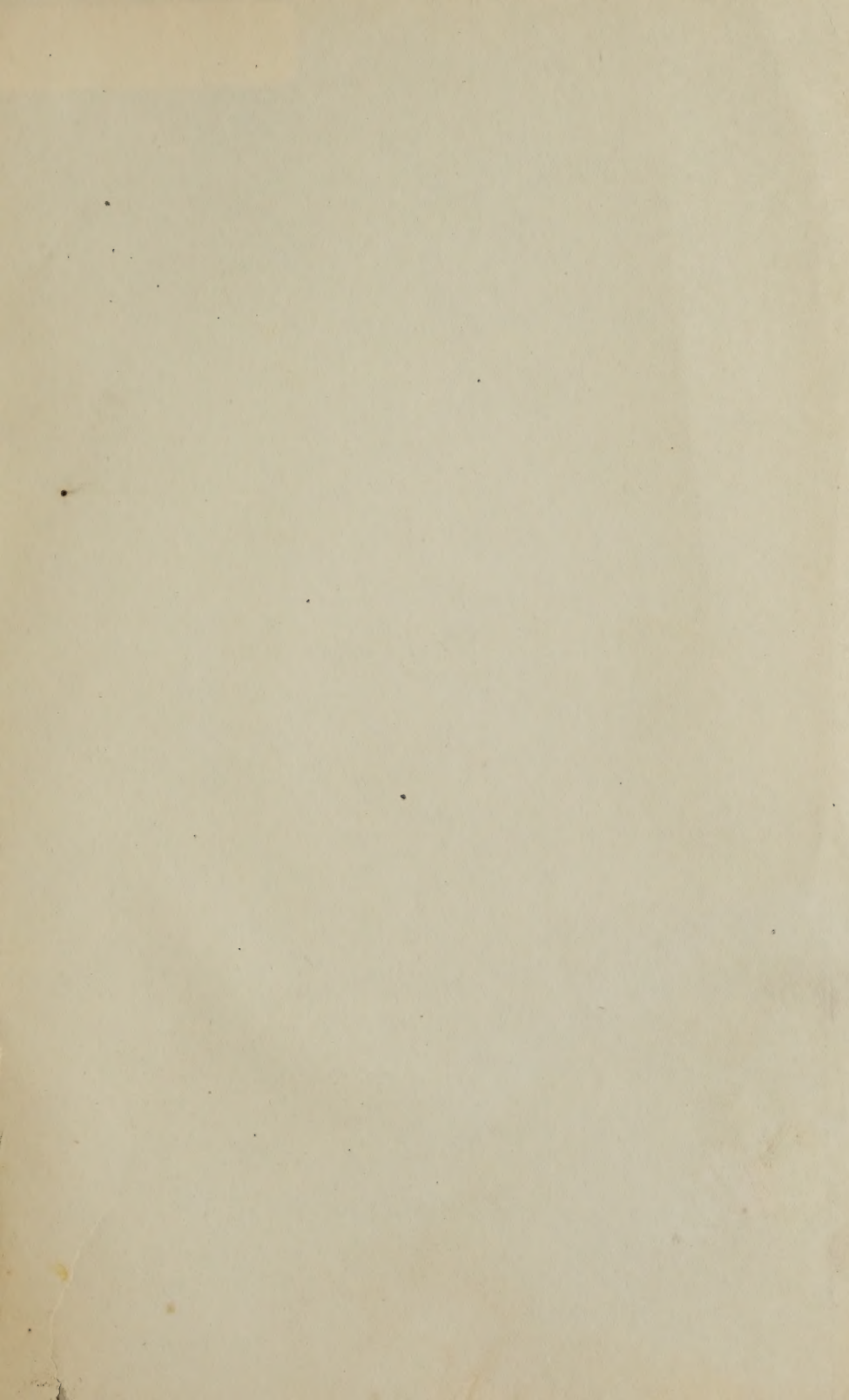
Agent's balances.....	\$ 15,434 55
Total assets. (less items not admitted).....	\$ 5,487,809 14

IV. LIABILITIES.

Net reinsurance reserve.....	\$	4,429,086	00
Claims for death losses due and unpaid.....	\$	12,251	84
Claims for matured endowments due and unpaid.....		10,891	11
Claims for death losses, and matured endowments in process of adjustment, or adjusted and not due.....		72,039	53
Policy claims, resisted by the company.....		17,000	00
Total policy claims.....	\$	112,182	48
Amount of unpaid dividends to stockholders.....		175	00
Amount due on account of salaries, rents and office expenses...		3,750	00
Amount of any other liability of the company, viz.: premiums paid in advance.....		11,620	26
Liabilities on policy holders' account.....	\$	4,556,813	74
Gross surplus on policy holders' account.....		930,995	40
Total liabilities....	\$	5,487,809	14

BUSINESS IN MINNESOTA DURING 1878.

Number and amount of policies on the lives of citizens of Minnesota in force Dec. 31st of previous year.....	No. 206	\$	289,655	00
Number and amount of policies on the lives of citizens of Minnesota issued during the year...	No. 121		127,205	00
Deduct number and amount which have ceased to be in force during the year.....	No. 102		113,200	00
Total number and amount of policies in force in Minnesota Dec. 31, 1878.....	No. 225		303,660	00
Amount of losses and claims on policies in Minnesota incurred during the year.....	No. 3		3,032	72
Amount of losses and claims on policies in Minnesota paid during the year.....	No. 3		3,032	72
Amount of premiums collected or secured in Minnesota during the year, in cash and other obligations.....			9,690	78





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